Author Index

VOLUME 140, 2009

A

Abdulwahab, M. 1018
Afzali, P. 1381
Alawi, F. 1001
Al-Jazzaf, A. 1018
Almazrooa, S.A. 864, 1217
Alshuraidah, A. 1018
Amaral, R.C. 877
American Dental Association Council on Dental Benefit Programs 835
American Dental Association Council on Dental Practice 546
American Dental Association Council on Government Affairs 546
American Dental Association Council on Scientific Affairs 828, 830
American Dental Association Division of Government and Public Affairs 1200
American Dental Association Division of Science 384, 812
Andersen, B.B. 1392
Ando, M. 25S
Applebaum, E. 461
Armitage, G.C. 36S
Armstrong, S. 706
Avsar, A. 326

B

Bader, J.D. 966, 1455
Bagnoli, M. 190
Bahrani-Mougeot, F.K. 1238
Bailit, H. 346
Banasek, T.E. 1494
Barata, T.J.E. 447
Bardi, K. 80
Barker, L.K. 1266
Barnett, M.L. 86, 342, 577, 916, 1156, 1413
Bau, I. 346
Bayne, S. 25S, 526
Beacham, A. 896
Beaumont, R.H. 969
Beck, J.D. 1004
Beck, M. 148, 318
Bedoya, M.M. 1485
Beebe, T.J. 580
Beil, H. 1147
Benjamin, P. 640
Bennani, V. 143
Berger, A.S. 1219
Berger, V.W. 638
Berry, J. 972
Binkley, C.J. 896
Bissada, N. 1508
Bittencourt, S. 434
Blaser, P.K. 1476
Bodrumlu, E. 326
Boynes, S. 1018
Brandon, C. 80
Brennan, M.T. 690, 1238
Brown, L.J. 90, 636
Brunson, D. 1356
Buchner, M. 1508

C

Cai, J. 1004
Caligiuri, M. 61
Cao, J. 543
Cao, M. 543
Caplan, D.J. 1004, 1013
Carlson, G. 190
Carr, A.B. 580
Carter, N. 1356
Carvalho, C.A.R. 447
Casamassimo, P.S. 650
Casati, M.Z. 434
Cavallaro, J. Jr. 1366
Chambers, D.W. 632
Chambrone, D. 294
Chambrone, L. 294
Chambrone, L.A. 294
Chan, R. 148
Chandler, M. 143
Chang, D.S. 167
Chang, H.-P. 987
Chapple, I.L.C. 178
Chay-Torres, J.F. 1216
Chen, H.-S. 987
Chen, J.-H. 987
Chen, J.-W. 1228
Chiaravalli, P. 147
Chilcutt, A.S. 1252
Chomitz, V. 313
Chou, H.-N. 1228
Chou, T.-M. 987
Christensen, G.J. 15, 239, 402, 475, 709, 966, 1036, 1301, 1536
Chu, F.C.S. 442
Chung, M. 575, 1025, 1348
Clark, G. 223, 536
Clarkson, J. 1144
Cleveland, J.L. 1092, 1266
Close, J. 1018
Cockerell, T. Jr. 402
Cohen, M.E. 200
Conrad, D. 211
Cooper, M.E. 80
Corrêa, M.E.P. 1377
Costerton, J.W. 978, 1259, 1467
Croll, T.P. 278
Crowley, J.P. 1212
Crowley, K.E. 1465
Cunha-Cruz, J. 841
Curtis, D.K. 1356

D

D'Abreu, K. 346
Davis, M.W. 1344
Davis, T.B. 1076
de Assis, A.F. 1373
Della Bona, Á. 1109
Dello Russo, N.M. 399, 1344
Del Paso Ribeiro, É. 434
Demarco, F.F. 1109
de Moraes, M. 1373
de Moraes, P.C. 1377
Deshpande, A. 640
DiBenedetto, D. 1467
Diefenderfer, K.E. 200
Donly, K.J. 1356
dos Santos, M.P.A. 156
Do Vale, H.F. 434
Drum, M. 318
Dumont, T.D. 146

E

Edelstein, B.L. 650
Eklund, S. 886
Ellefsen, B. 1392
Epstein, J.B. 992, 1494
Erten, H. 1118
Ettinger, R.L. 658
Evensen, C.T. 229

F

Fagundes, T.C. 447
Fan-Hsu, J. 1401
Feigal, R.J. 331
Feliciano, Z. 167
Fernández, E. 425
Ferreira-Zandoná, A. 25S
Fields, H.W. 148
Fioritto, H.J. 400
Fisch, J. 1042, 1347
Fisher, M.A. 1403
Folan, M.H. 832
Fontana, M. 25S, 1356
Formicola, A. 346
Fox, K. 1350
Fox, P.C. 279, 690
Foy, P.J. 481, 598, 929, 1308
Francisconi, L.F. 1275
Francisconi, P.A.S. 1275
Franco, E.B. 447, 1275
Frantsve-Hawley, J. 1228
Friedlander, A.H. 167, 279, 515, 658, 1347
Furman, E. 1508
Furney, S.L. 690

G

Gamba, T.W. 107, 400, 1544
Garcia, I. 44S
Garcia-Godoy, F. 680
Garvan, C.W. 1476
Garvin, J. 22, 152, 286, 408, 522, 646, 648, 838, 974, 1086, 1224, 1297, 1352, 1472
Gasteier, A.C. 401
Geisler, S. 1294
Geraldeli, S. 877
Gillett, W. 966
Glick, M. 140, 396, 512, 567, 824, 1072, 1340, 1385
Gonzalez, J. 696
González-Cabezas, C. 25S
Gooch, B.F. 38, 415, 517, 970, 1356
Gordan, V.V. 425, 1079, 1476
Gorur, A. 978, 1259
Graeff, M.S.Z. 1275
Gray, S.K. 38, 415, 517, 970, 1356
Greenberg, B.L. 48
Greenberg, J.R. 147
Greene, C.S. 676, 1083
Greenstein, B. 1366
Greenstein, G. 1366
Gregg, R.C. 896
Griffin, C. 190
Griffin, P.M. 1266
Griffin, S.O. 38, 415, 970, 1266, 1356
Grothe, R.L. 331
Guay, A.H. 90, 636, 642
Gutmann, J.L. 8S
Guzeldemir, E. 1283

H

Haering, H. 1356
Hagenbruch, J.F. 468
Hand, J.S. 1527
Hanzon, J. 1079
Hasan, F.M. 307
Hay, L.J. 1494
Hayes, C. 461
He, L.-s. 543
Heima, M. 559
Hempel, M.C. 425
Hengtrakool, C. 1137
Henwood, R.W. 575
Heny, J.S. 515
Heubner, C.E. 628
Heymann, H.O. 28, 526
Hill, H.K. 706
Hill, L.F. 1356
Hinson, H.P. 1356
Hodges, J.S. 331
Hodgson, B. 829
Hofkes, S. 61
Holm-Pedersen, P. 1392
Hong, C.H.L. 690
Hosaka, K. 559
Houpt, M. 968
House, D.R. 90, 636
Howard, C. 1079
Huang, G.J. 914, 1524
Huebner, C.E. 211
Hujoel, P.P. 841
Hupp, W.S. 555

I

Iida, H. 855
Ismail, A. 886

J

Jackson, D. 559
Jadad, A.R. 640
Jakush, J. 644
Jasinevicius, T.R. 1508
Jasper, W.J. 17
Jenkins, S.M. 580
Johnsen, D.C. 1527
Johnson, G.H. 1125
Johnson, J.F. 1080
Jokstad, A. 1144
Jontell, M. 1385

K

Kagawa, S. 550
Kang, P. 1228
Kantor, M.L. 48
Kayaoglu, G. 1118
Kedjarune-Leggat, U. 1137
Keleş, A. 74
Keller, D. 978
Keller, S. 229, 515
Ker, A.J. 148
Kito, S. 550
Klasser, G.D. 992
Kodovazenitis, G. 1100
Kohn, W. 1266, 1356
Komboli, M. 1100
Kosaraju, A. 68
Kose, C. 1245
Köseoğlu, M. 74
Kronenberg, F.R. 461
Kuban, D.S. 1076
Kukiattrakoon, B. 1137
Kumar, J. 855, 1356
Kumar, S.K.S. 223, 1259
Kuperstein, A.S. 1001
Kutcher, M.J. 185
Kuthy, R.A. 1527
Kyrgidis, A. 1216

L

Lampiris, L. 1356
Lamster, I.B. 17
Landwehr, D. 706
Lee, H.-E. 987
Lee, J.-H. 987
Lee, R.S.Y. 211
Lei, D.-l. 543
Lepe, X. 1125
Letra, A. 80
Levin, R.P. 105, 146, 243, 361, 479, 595, 714, 832, 927, 1040, 1167, 1305, 1425, 1541
Liem, E.B. 896
Lim, S. 886
Lima, L.A. 294
Liu, Y.-p. 543
Lockerman, L.Z. 144
Lockhart, P.B. 690, 1238
Loguercio, A.D. 877, 1245
Lord, E. 143
Lowry, B. 61
Luccy, C.J. 280
Ludlow, J.B. 185
Luiz, R.R. 156
Lund, A.E. 20, 285, 520, 836, 1084, 1351, 1472
Ly, K.A. 628

M

Mahler, H.J. 143
Mahler, M. 658
Maia, L.C. 156
Maiorini, E. 650
Mallatt, M. 1356
Maloney, W.J. 1218
Malvitz, D.M. 38, 415, 970
Mandel, L. 1381
Mangan, S. 1079
Marazita, M.L. 80
Mark, A. 10S
Marshall, T.A. 670, 906
Martin, G.C. 229
Martin, J. 425
Martin, R.A. 80
Martínez-Mier, E.A. 25S
Martins, L.d.M. 1275
Mascarenhas, A.K. 1403
Matsumoto-Takeda, S. 550
Matte, K. 877
Matthews, J. 1144
Mautoni, M.C. 1377
Mayer, M. 1147
McGarity, G.J. 56, 276
McGlothlin, J.D. 190, 969
McHenry, T.G. 80
McKernan, S.C. 1527
McMullan-Vogel, C.G. 340
Mealey, B.L. 18, 277
Meireles, S.S. 1109
Menezes, R. 80
Meydan, A.D. 326
Meyer, D.M. 1228, 1356
Michalowicz, B.S. 1238
Michels, R. 877
Milgrom, P. 211, 559, 628
Miller, C.S. 56, 276
Miller, W.R. 1356
Mitton, R.H. 229
Mjör, I.A. 425, 1476
Moenning, J.E. 190
Moimaz, S.A.S. 841
Moldauer, B.I. 680
Moncada, G. 425
Mondelli, R.F.L. 1275
Mondragon, E. 1476
Monokian, H.H. 15
Moore, P. 1018
Morimoto, Y. 550
Moroz Leite, T. 877
Morse, D.E. 1392
Muñante-Cárdenas, J.L. 1371
Murray, G.M. 1122
Murray, P.E. 680, 1079

N

Naini, F.B. 696
Nakanishi, O. 550
Namerow, K.N. 680
Napeñas, J.J. 690
Navarro, M.F.L. 447
Neace, W. 896
Negreiros Lyrio, M.C. 1373
Nguyen, P.H. 992
Niederman, R. 272, 281, 632
Nishikawa, T. 550
Nisselson, H.S. 245
Noce, C.W. 1377
Nociti, F.H. Jr. 434
Noll, J. 1238
Norman, K.M. 658
Nusstein, J. 318

O

Oda, M. 550
Offenbacher, S. 1004
Olate, S. 1373
Orr, D.L. II 960, 1466

P

Padilla, R. 185
Pallasch, T.J. 16
Palmer, C. 1220
Panich, M. 455
Pankow, J.S. 1004
Panlilio, A.L. 1092
Park, J.H. 1485
Passos, M. 156
Peck, C.C. 1505
Peker, I. 1118
Pepelassi, E. 1100
Pereira, J.C. 1275
Perlman, S. 307
Peters, E.S. 461
Piangprach, T. 1137
Pickrell, J.E. 559
Pihlstrom, B.L. 12, 4S
Pinto, A. 468
Pogrel, M.A. 1517
Poolthong, S. 455
Pourat, N. 1027
Pustiglioni, F.E. 294

Q

Qian, F. 906

R

Rademaker, A.M. 190
Ram, S. 223
Reader, A. 318
Reid, K.I. 470
Reis, A. 877, 1245
Rethman, M.P. 468
Ring, J. 680
Ripley, R. 1214
Ristic, H. 1228
Ritter, A.V. 28, 526
Robertson, P.B. 36S
Robison, V.A. 1092
Romney, G. 567
Rosenstiel, S. 148
Rozier, R.G. 1147, 1356
Ruhlen, T.N. 461

S

Sabherwal, R.S. 696
Sakamoto, E. 550
Sallum, E.A. 434
Santos, I.S. 1109
Sanzi-Schaedel, S.M. 1356
Sasser, H.C. 1238
Schaudinn, C. 978, 1259
Schleyer, T. 403
Schlott, W. 401
Schroll, M. 1392
Schwartz, A. 514
Schwass, D. 143
Sciubba, J.J. 1494
Scott, J. 318
Scully, C. 167
Sedghizadeh, P.P. 61, 518, 978, 1259, 1468
Seifikar, S. 1018
Sessler, D.I. 896
Shaw, R.P. 1001
Shiiba, S. 550
Shuch, D.J. 1467
Shuler, C.F. 61, 1259
Siegal, M. 1356
Siew, C. 1228
Simecek, J.W. 200
Simmons, M.S. 536
Simonsen, R. 1356
Skillicorn, R. 1508
Slavkin, H.C. 17S
Smith, L.B. 1218
Smith, W.P. Jr. 516
Snead, M.L. 17S
Snider, J. 150, 407, 646, 836, 972, 1086, 1220, 1470
Sohn, W. 886
Spahl, T.J. 1080
Spear, F. 99, 144, 355, 401, 503, 587, 920, 1160, 1418
Speers, R.D. 399
Springer, P.S. 1001
Stanley, K. 61
Starkey, M.A. 1465
Stavisky, J. 346
Stevenson, R.B. 964
Stoopler, E.T. 1001
Strock, S. 1228
Sturdevant, J.R. 28, 526
Swift, E.J. Jr. 28, 526

T

Tabak, L.A. 44S
Taichman, L.S. 886
Tanaka, T. 550
Tantbirojn, D. 331
Tasdelen, B. 1283
Tavares, M. 313
Tay, L.Y. 1245
Teixeira, F.B. 1013

Teruel, A. 223
Thikkurissy, S. 650
Thomaz, L.A. 1377
Thompson, R.K. Jr. 830
Thornhill, M. 1238
Thurman, M.M. 1524
Thyvalikakath, T.P. 403
Tominaga, K. 550
Torun, D. 1283
Toygar, H.U. 1283
Treadwell, H. 346
Trope, M. 1013
Truman, B.I. 1356
Tsami, A. 1100
Tuloglu, N. 326

U

Utsman, R. 992

V

Vahtsevanos, K. 1216
Vandewalle, K.S. 68
van Dijken, J.W.V. 447
Varon, F. 276
Vean, A.H. 1076
Versluis, A. 331
Victoroff, K.Z. 1508
Vieira, A.R. 80
Volk, K.E. 634

W

Wagoner, S.N. 906
Wakasugi-Sato, N. 550
Waldemar, G. 1392
Waldman, H.B. 307
Wang, L. 543
Wataha, J.C. 1125
Wefel, J.S. 906
Wei, J.-h. 543
Weisleder, R. 1013
Wentworth, R.B. 145, 364, 717, 1169, 1216, 1427
Wilder, A.D. Jr. 28, 526
Woo, S-B. 864, 1217

Y

Yamauchi, S. 1013
Yang, Y.-H. 987
Yao, M. 992
Yeager, A.L. 828
Yoshikawa, T.T. 167
Yoshioka, I. 550
Yue, C. 331

Z

Zablotsky, N. 145
Zahrowski, J.J. 517
Zallen, R.D. 276
Zamora, G. 346
Zero, D.T. 25S, 1356
Zhang, H. 1125
Zhao, Y.-m. 543
Zina, L.G. 841
Zovko, J. 1018

Subject Index

VOLUME 140, 2009

A

ACETONE
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28
ACID ETCHING
A comparison of the effects of toothbrushing and handpiece prophylaxis on retention of sealants. Gray, S.K. et al. 38
ACUPUNCTURE
Acupuncture may relieve xerostomia symptoms in patients with head, neck cancer. (News) Snider, J. 646
AEROSOLS
Evidence of aerosolized floating blood mist during oral surgery. (Journal Scan) Barnett, M.L. 918
AIR POLLUTANTS, OCCUPATIONAL
Evaluation of two nitrous oxide scavenging systems using infrared thermography to visualize and control emissions. Rademaker, A.M. et al. 190
Using nitrous oxide. (Letter) Houpt, M. 968; (Response) McGlothlin, J.D. 969
ALENDRONATE
Oral bisphosphonate use and the prevalence of osteonecrosis of the jaw: an institutional inquiry. Sedghizadeh, P.P. et al. 61
Oral bisphosphonates. (Letter) Zahrowski, J.J. 517; (Response) Sedghizadeh, P.P. 518
ALLODYNIA
Referred pain, allodynia and hyperalgesia. Murray, G.M. 1122
ALVEOLAR BONE LOSS
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56
ALVEOLAR PROCESS
Clinical methodologies for achieving primary dental implant stability: the effects of alveolar bone density. Cavallaro, J. Jr. et al. 1366
ALZHEIMER DISEASE
Anesthesia, hypothermia can increase Alzheimer disease development. (News) Lund, A.E. 520
Assessing caries increments in elderly patients with and without dementia: a one-year follow-up study. Ellefsen, B. et al. 1392
AMELOBLASTOMA
A multilocular radiolucency of the mandible. Kuperstein, A.S. et al. 1001
AMERICAN DENTAL ASSOCIATION
The ADA and health care reform. (Guest Editorial) Crowley, J.P. 1212
ADA provides dentists with H1N1 influenza virus information. (News) Garvin, J. 646
Dr. Kathleen T. O'Loughlin named American Dental Association executive director. (News) Jakush, J. 644
Dr. Michael Glick named dean of UB dental school. (News) Fox, K. 1350
Dr. William G. Kohn named director of the CDC Division of Oral Health. (News) Palmer, C. 1220
Evidence-based dentistry finds a new forum: exelauno. (Guest Editorial) Niederman, R. 272
Overanxious patients. (Letter) Fioritto, H.J. 400; (Response) Gamba, T.W. 400
Questions about EBD. (Letter) Chambers, D.W. 632; (Response) Niederman, R. 632
The U.S. approach to dental emergency preparedness and disaster response. American Dental Association Council on Dental Practice 546
"The verb of life is to try": Dr. Harold Slavkin receives 2009 ADA Gold Medal Award for Excellence in Dental Research. Garvin, J. 1297; (Correction) 1472
What should I do about dental assistants who are performing prophylaxes? (Ethical Moment) Gamba, T.W. 107
Annual Meeting
2009 ADA Annual Session concurrent meetings. 1180
ADA Business Program: 2009 House of Delegates. 1172
Make Hawaii happen: preliminary program—150th Annual Session and World MarketPlace Exhibition. 721
History
ADAF Paffenbarger Research Center: where many new ideas for dentistry start. Mark, A. 10S
The evolution of America's scientific advancements in dentistry in the past 150 years. Gutmann, J.L. 8S
Highlights of America's scientific contribution to dentistry: 150 years and still counting. Pihlstrom, B.L. 4S
AMOXICILLIN
Orally administered amoxicillin decreases the risk of implant failures. (Critical Summaries) Geisler, S. 1294
ANESTHESIA, DENTAL
Anesthesia, hypothermia can increase

Alzheimer disease development. (News) Lund, A.E. 520
Broken local anesthetic needles: a case series of 16 patients, with recommendations. Pogrel, M.A. 1517
The efficacy of a repeated infiltration in prolonging duration of pulpal anesthesia in maxillary lateral incisors. Scott, J. et al. 318
The efficacy of six local anesthetic formulations used for posterior mandibular buccal infiltration anesthesia. Abdulwahab, M. et al. 1018
Evaluation of two nitrous oxide scavenging systems using infrared thermography to visualize and control emissions. Rademaker, A.M. et al. 190
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559
Overanxious patients. (Letter) Fioritto, H.J. 400; (Response) Gamba, T.W. 400
Using nitrous oxide. (Letter) Houpt, M. 968; (Response) McGlothlin, J.D. 969
ANESTHESIA, GENERAL
Anesthesia, hypothermia can increase Alzheimer disease development. (News) Lund, A.E. 520
ANESTHESIA RECOVERY PERIOD
The efficacy of a repeated infiltration in prolonging duration of pulpal anesthesia in maxillary lateral incisors. Scott, J. et al. 318
ANESTHETICS, LOCAL
Administration
Broken local anesthetic needles: a case series of 16 patients, with recommendations. Pogrel, M.A. 1517
The efficacy of a repeated infiltration in prolonging duration of pulpal anesthesia in maxillary lateral incisors. Scott, J. et al. 318
The efficacy of six local anesthetic formulations used for posterior mandibular buccal infiltration anesthesia. Abdulwahab, M. et al. 1018
Therapeutic use
A comparison of a refrigerant and a topical anesthetic gel as preinjection anesthetics: a clinical evaluation. Kosaraju, A. et al. 68
ANTIBACTERIAL AGENTS
Clinical considerations in managing severe tooth discoloration with porcelain veneers. Chu, F.C.S. 442
Orally administered amoxicillin decreases the risk of implant failures. (Critical Summaries) Geisler, S. 1294
Tetracycline. (Letter) Zallen, R.D. 276; (Response) Miller, C.S. et al. 276
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56
ANTIBIOTIC PROPHYLAXIS
Antibiotic prophylaxis. (Letter) Friedlander, A.H. 1347; (Response) Chung, M. 1348
Prescription of antibiotics for prophylaxis to prevent bacterial endocarditis. (Critical Summaries) Chung, M. 1025
ANTICOAGULANT AGENTS
Atrial fibrillation: pathogenesis, medical-surgical management and dental implications. Friedlander, A.H. et al. 167
ANTIDOTES
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559
ANTI-INFECTIVE AGENTS
Subgingival debridement appears as effective as more complex and expensive therapies for periimplantitis. (Critical Summaries) McMullan-Vogel, C.G. 340
ANTINEOPLASTIC AGENTS
Researchers discover how chemotherapeutic agents block blood vessel growth. (News) Lund, A.E. 285
ANTITRUST LAWS
What are the ethical issues I should consider when contemplating exclusive territory agreements? (Ethical Moment) Nisselson, H.S. 245
ANTIVIRAL AGENTS
Patients with Bell palsy do not benefit from an antiviral agent. (News) Snider, J. 1086
Tongue hyperpigmentation resulting from peginterferon alfa and ribavirin combination therapy: a case report. de Moraes, P.C. et al. 1377
APPOINTMENTS AND SCHEDULES
Making the most of hygiene appointments. Levin, R.P. 1305
"Periodontal maintenance." (Letter) Wentworth, R.B. 145; (Response) Levin, R.P. 146
Production per chair: the key to achieving greater efficiency. Levin, R.P. 927
APPOINTMENTS/ELECTIONS/AWARDS, 22, 153, 288, 410, 522, 648, 838, 974, 1086, 1224, 1352, 1472
ARCHAEA
Methanogenic archaea in health and disease: a novel paradigm of microbial pathogenesis. (JournalScan) Barnett, M.L. 88
ARTHRITIS, RHEUMATOID
Gene therapy stops periodontal disease development. (News) Snider, J. 150
Periodontal therapy reduces the severity of active rheumatoid arthritis in patients treated with or without tumor necrosis factor inhibitors. (JournalScan) Barnett, M.L. 916
Study finds possible link between periodontal disease and rheumatoid arthritis. (News) Snider, J. 972
ASSOCIATION DIRECTORY, 10, 139, 270, 394, 510, 627, 822, 958, 1070, 1210, 1339, 1455
ATRIAL FIBRILLATION
Atrial fibrillation: pathogenesis, medical-surgical management and dental implications. Friedlander, A.H. et al. 167
Congrats from an MD. (Letter) Heny, J.S. 515
Obstructive sleep apnea. (Letter) Keller, S. 515; (Response) Friedlander, A.H. 515
ATTITUDE TO HEALTH
An assessment of oral health importance: results of a statewide survey. Carr, A.B. et al. 580
AWARDS AND PRIZES
"The verb of life is to try": Dr. Harold Slavkin receives 2009 ADA Gold Medal Award for Excellence in Dental Research. Garvin, J. 1297; (Correction) 1472

B

BACTEREMIA
Poor oral hygiene as a risk factor for infective endocarditis-related bacteremia. Lockhart, P.B. et al. 1238
BACTERIA
The biofilm community. (Letter) Shuch, D.J. 1467; (Response) Costerton, J.W. et al. 1467
Cancer, stomach ulcer bacteria may cause halitosis. (News) Lund, A.E. 20
Detection of cytotoxin genotypes of *Helicobacter pylori* in stomach, saliva and dental plaque. (JournalScan) Barnett, M.L. 1158
Distribution of selected cariogenic bacteria in five different intra-oral habitats in young children. (JournalScan) Barnett, M.L. 577
Genetic relationships between respiratory pathogens isolated from dental plaque and bronchoalveolar lavage fluid from patients in the intensive care unit undergoing

mechanical ventilation. (JournalScan) Barnett, M.L. 344
Methanogenic archaea in health and disease: a novel paradigm of microbial pathogenesis. (JournalScan) Barnett, M.L. 88
Oral bacteria linked to obesity. (News) Lund, A.E. 1084
Periodontitis: an archetypical biofilm disease. Schaudinn, C. et al. 978
Self-ligating orthodontic brackets associated with fewer plaque bacteria. (News) Snider, J. 836
A symbiotic relationship. (Letter) DiBenedetto, D. 1467; (Response) Costerton, J.W. et al. 1467

BACTERIAL INFECTIONS
Bisphosphonate and nonbisphosphonate-associated osteonecrosis of the jaw: a review. Almazrooa, S.A. et al. 864
Osteonecrosis of the jaw. (Letter) Kyrgidis, A. et al. 1216; (Response) Almarzooa, S. et al. 1217

BAROTRAUMA
Dental restoration dislodgement and fracture during scuba diving: a case of barotrauma. Peker, I. et al. 1118

BEAUTY
Full-face images. (Letter) Greenberg, J.R. 147; (Response) Ker, A.J. et al. 148
Rating smiles. (Letter) Chiaravalli, P. 147; (Response) Ker, A.J. et al. 148

BELL PALSY
Patients with Bell palsy do not benefit from an antiviral agent. (News) Snider, J. 1086

BENCHMARKING
The development and testing of a survey instrument for benchmarking dental plan performance: using insured patients' experiences as a gauge of dental care quality. Keller, S. et al. 229

BIOFILMS
The biofilm community. (Letter) Shuch, D.J. 1467; (Response) Costerton, J.W. et al. 1467
Microbial biofilms in osteomyelitis of the jaw and osteonecrosis of the jaw secondary to bisphosphonate therapy. Sedghizadeh, P.P. et al. 1259
Periodontitis: an archetypical biofilm disease. Schaudinn, C. et al. 978
A symbiotic relationship. (Letter) DiBenedetto, D. 1467; (Response) Costerton, J.W. et al. 1467

BISPHENOL A-GLYCIDYL METHACRYLATE
The depth of cure of clear versus opaque sealants as influenced by curing regimens. Yue, C. et al. 331
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28
A 12-year clinical evaluation of a three-step dentin adhesive in non-carious cervical lesions. Wilder, A.D. Jr. et al. 526

BISPHOSPHONATES
Bisphosphonate and nonbisphosphonate-associated osteonecrosis of the jaw: a review. Almazrooa, S.A. et al. 864
Microbial biofilms in osteomyelitis of the jaw and osteonecrosis of the jaw secondary to bisphosphonate therapy. Sedghizadeh, P.P. et al. 1259
More about bisphosphonates. (Letter) Hodgson, B. 829; (Response) American Dental Association Council on Scientific Affairs 830
Oral bisphosphonate use and the prevalence of osteonecrosis of the jaw: an institutional inquiry. Sedghizadeh, P.P. et al. 61
Oral bisphosphonates. (Letter) Zahrowski, J.J. 517; (Response) Sedghizadeh, P.P. 518
Osteonecrosis of the jaw. (Letter) Kyrgidis, A. et al. 1216; (Response) Almarzooa, S. et al. 1217
Osteoporosis medications and oral health. (For the Dental Patient) American Dental Association Division of Science 812
Update on oral bisphosphonates. (Letter) Yeager, A.L. 828; (Response) American Dental Association Council on Scientific Affairs 828

BITE FORCE
The effects of occlusal loading on the margins of cervical restorations. Francisconi, L.F. et al. 1275

BLOOD
Evidence of aerosolized floating blood mist during oral surgery. (JournalScan) Barnett, M.L. 918

BLOOD COAGULATION
An updated concept of coagulation with clinical implications. Romney, G. et al. 567

BLOOD GLUCOSE ANALYSIS
Dealing with diabetes. (Letter) Jasper, W.J. 17; (Response) Mealey, B.L. 18
Patients with diabetes. (Letter) Varon, F. 276; (Response) Mealey, B.L. 277
Potential mechanisms underpinning the nutritional modulation of periodontal inflammation. Chapple, I.L.C. 178

BONE DENSITY CONSERVATION AGENTS
Bisphosphonate and nonbisphosphonate-associated osteonecrosis of the jaw: a review. Almazrooa, S.A. et al. 864
Microbial biofilms in osteomyelitis of the jaw and osteonecrosis of the jaw secondary to bisphosphonate therapy. Sedghizadeh, P.P. et al. 1259
More about bisphosphonates. (Letter) Hodgson, B. 829; (Response) American Dental Association Council on Scientific Affairs 830
Oral bisphosphonate use and the prevalence of osteonecrosis of the jaw: an institutional inquiry. Sedghizadeh, P.P. et al. 61
Oral bisphosphonates. (Letter) Zahrowski, J.J. 517; (Response) Sedghizadeh, P.P. 518
Osteonecrosis of the jaw. (Letter) Kyrgidis, A. et al. 1216; (Response) Almarzooa, S. et al. 1217
Osteoporosis medications and oral health. (For the Dental Patient) American Dental Association Division of Science 812
Update on oral bisphosphonates. (Letter) Yeager, A.L. 828; (Response) American Dental Association Council on Scientific Affairs 828

BONE MINERAL DENSITY
Clinical methodologies for achieving primary dental implant stability: the effects of alveolar bone density. Cavallaro, J. Jr. et al. 1366

BODY PIERCING
Palatal erythema. Hupp, W.S. 555

BRONCHOALVEOLAR LAVAGE FLUID
Genetic relationships between respiratory pathogens isolated from dental plaque and bronchoalveolar lavage fluid from patients in the intensive care unit undergoing mechanical ventilation. (JournalScan) Barnett, M.L. 344

BRUXISM
A patient with severe wear on the posterior teeth and minimal wear on the anterior teeth. Spear, F. 99

C

CAD/CAM *see* COMPUTER-AIDED DESIGN/COMPUTER-AIDED MANUFACTURING

CALCIUM PHOSPHATE, AMORPHOUS
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel

hardness. Panich, M. et al. 455
CALENDAR OF EVENTS, 24, 153, 288, 410, 524, 648, 839, 976, 1088, 1224, 1352, 1473
CANDIDIASIS
Asymptomatic pebbly lesions. Kutcher, M.J. et al. 185
CANDY
In vitro enamel erosion associated with commercially available original-flavor and sour versions of candies. Wagoner, S.N. et al. 906
CANINE
Diagnosis and management of impacted maxillary canines: a review. Bedoya, M.M. et al. 1485
CAPITAL EXPENDITURES
The phenomenon of the "cash-poor" practice. Levin, R.P. 105
CARBAMIDE PEROXIDE
A double-blind randomized controlled clinical trial of 10 percent versus 16 percent carbamide peroxide tooth-bleaching agents: one-year follow-up. Meireles, S.S. et al. 1109
CARBONATED BEVERAGES
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
CARCINOMA, SQUAMOUS CELL
Parotid gland squamous cell carcinoma invading the temporomandibular joint. Klasser, G.D. et al. 992
CARDIOVASCULAR DISEASES
Oral health care professionals' identification of cardiovascular disease risk among patients in private dental offices in Sweden. Jontell, M. et al. 1385
CARIOSTATIC AGENTS
Chewing gum and caries. (Letter) Berger, V.W. 638; (Response) Jadad, A.R. et al. 640
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
Fluoridated toothpaste and the prevention of early childhood caries: a failure to meet the needs of our young. (Guest Editorial) Milgrom, P. et al. 628
Fluoride: nature's tooth decay fighter. (For the Dental Patient) American Dental Association Division of Science 126
Toothpaste and children. (Letter) Vean, A.H. 1076
CAROTID STENOSIS
Reliability of panoramic radiography for carotid atheroma detection: a study in patients who fulfill the criteria for carotid endarterectomy. (JournalScan) Barnett, M.L. 87
CASEINS
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
CELL GROWTH
Nanotechnology changes how metals can influence cell growth. (News) Lund, A.E. 285
CENTERS FOR DISEASE CONTOL AND PREVENTION
Guidelines
Tuberculosis epidemiology, diagnosis and infection control recommendations for dental settings: an update on the Centers for Disease Control and Prevention guidelines. Cleveland, J.L. et al. 1092
Personnel
Dr. William G. Kohn named director of the CDC Division of Oral Health. (News) Palmer, C. 1220
CHEWING GUM
Chewing gum and caries. (Letter) Berger, V.W. 638; (Response) Jadad, A.R. et al. 640
CHIN
The importance of clinical features and computed tomographic findings in numb chin syndrome: a report of two cases. Yoshioka, I. et al. 550
CHLOROFLUOROCARBONS, METHANE
A comparison of a refrigerant and a topical anesthetic gel as preinjection anesthetics: a clinical evaluation. Kosaraju, A. et al. 68
CLEFT LIP AND PALATE
AXIS inhibition protein 2, orofacial clefts and a family history of cancer. Menezes, R. et al. 80
COAGULANT AGENTS
The frequency of bleeding complications after invasive dental treatment in patients receiving single and dual antiplatelet therapy. Napeñas, J.J. et al. 690
CODES OF ETHICS
What should I do about dental assistants who are performing prophylaxes? (Ethical Moment) Gamba, T.W. 107
COGNITION DISORDERS
The potentially harmful medical consequences of untreated sleep-disordered breathing: the evidence supporting brain damage. Simmons, M.S. et al. 536
Sjögren syndrome. (Letter) Friedlander, A.H. 279; (Response) Fox, P.C. 279
COLONIC NEOPLASMS
AXIS inhibition protein 2, orofacial clefts and a family history of cancer. Menezes, R. et al. 80
COMMUNICATION
Am I ethically bound to discuss amalgam restorations with my patients? (Ethical Moment) Gamba, T.W. 1544
Exploring leadership and team communication within the organizational environment of a dental practice. Chilcutt, A.S. 1252
Improving dentist-technician interaction and communication. Christensen, G.J. 475
Interacting with technicians. (Letter) Stevenson, R.B. 964; (Response) Christensen, G.J. 966
COMMUNITY DENTISTRY
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
COMORBIDITY
Comorbidities affect survival of patients with head, neck cancer. (News) Snider, J. 152
COMPOMERS
A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156
COMPUTER-AIDED DESIGN/ COMPUTER-AIDED MANUFACTURING (CAD/CAM)
CAD/CAM and esthetics. (Letter) Monokian, H.H. 15; (Response) Christensen, G.J. 15
Gingival retraction. (Letter) Mahler, H.J. 143; (Response) Bennani, V. et al. 143
Impressions are changing: deciding on conventional, digital or digital plus in-office milling. Christensen, G.J. 1301
CONFIDENTIALITY
A minor's request. (Letter) Chay-Torres, J.F. 1216
What are the ethical considerations surrounding a minor's request for confidentiality? (Ethical Moment) Foy, P.J. 481
CONFLICT OF INTEREST
Periodontal disease and other diseases. (Letter) Pallasch, T.J. 16; (Response) Lamster, I.B. 17

CONSCIOUS SEDATION
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559
CONSUMER SATISFACTION
Biology of esthetics. (Letter) Dumont, T.D. 146; (Response) Ker, A.J. et al. 148
Rating smiles. (Letter) Chiaravalli, P. 147; (Response) Ker, A.J. et al. 148
CONTINUING EDUCATION PROGRAM, 111, 247, 367, 483, 601, 795, 931, 1045, 1183, 1311, 1429, 1549
CORONARY DISEASE
Oral health, heart health. (Letter) Maloney, W.J. 1218
The relationship between self-reported history of endodontic therapy and coronary heart disease in the Atherosclerosis Risk in Communities Study. Caplan, D.J. et al. 1004
COST OF ILLNESS
Beyond the dmft: the human and economic cost of early childhood caries. Casamassimo, P.S. et al. 650
Early childhood caries. (Letter) Smith, L.B. 1218.
C-REACTIVE PROTEIN
Elevation of C-reactive protein and interleukin-6 in plasma of patients with aggressive periodontitis. (JournalScan) Barnett, M.L. 578
Persistently raised C-reactive protein levels are associated with advanced periodontal disease. (JournalScan) Barnett, M.L. 86
CROWNS
CAD/CAM and esthetics. (Letter) Monokian, H.H. 15; (Response) Christensen, G.J. 15
Retention of metal-ceramic crowns with contemporary dental cements. Johnson, G.H. et al. 1125
CULTURAL COMPETENCY
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
CYTOSKELETAL PROTEINS
AXIS inhibition protein 2, orofacial clefts and a family history of cancer. Menezes, R. et al. 80

D

DEBRIDEMENT
Subgingival debridement appears as effective as more complex and expensive therapies for peri-implantitis. (Critical Summaries) McMullan-Vogel, C.G. 340
DECAYED, MISSING AND FILLED (DMF) INDEX
Beyond the dmft: the human and economic cost of early childhood caries. Casamassimo, P.S. et al. 650
Early childhood caries. (Letter) Smith, L.B. 1218.
DELEGATION, PROFESSIONAL
Achieving maximum success and maximum happiness. Levin, R.P. 361
Advice questioned. (Letter) Thompson, R.K. 830; (Response) Levin, R.P. 832
The benefit of delegation. Levin, R.P. 1541
What should I do about dental assistants who are performing prophylaxes? (Ethical Moment) Gamba, T.W. 107
DELIVERY OF HEALTH CARE
Expanding the dentist's role in health care delivery: is it time to discard the Procrustean bed? (Editorial) Glick, M. 1340
DEMENTIA
Assessing caries increments in elderly patients with and without dementia: a one-year follow-up study. Ellefsen, B. et al. 1392
Secondhand smoke exposure may increase dementia risk. (News) Snider, J. 408
DENTAL ABUTMENTS
Connecting teeth to implants: the truth about a debated technique. Spear, F. 587
DENTAL AMALGAM
Am I ethically bound to discuss amalgam restorations with my patients? (Ethical Moment) Gamba, T.W. 1544
An evaluation of replacement rates for posterior resin-based composite and amalgam restorations in U.S. Navy and Marine Corps recruits. Simecek, J.W. et al. 200
DENTAL ANXIETY
Children's anxiety decreases in sensorially adapted environment. (News) Snider, J. 407
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559
Genetic variations associated with red hair color and fear of dental pain, anxiety regarding dental care and avoidance of dental care. Binkley, C.J. et al. 896
Overanxious patients. (Letter) Fioritto, H.J. 400; (Response) Gamba, T.W. 400
Prevalence of dental fear and phobia relative to other fear and phobia subtypes. (JournalScan) Barnett, M.L. 917
Redheads and fear. (Letter) Berger, A.S. 1219
DENTAL AUXILIARIES
Access to care. (Letter) Benjamin, P. 640; (Response) Guay, A.H. 642
Improving dentist-technician interaction and communication. Christensen, G.J. 475
Interacting with technicians. (Letter) Stevenson, R.B. 964; (Response) Christensen, G.J. 966
What should I do about dental assistants who are performing prophylaxes? (Ethical Moment) Gamba, T.W. 107
DENTAL BONDING
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
Clinical evaluation of two packable posterior composites: a five-year follow-up study. Fagundes, T.C. et al. 447
Defective restorations. (Letter) Kuban, D.S. 1076; (Response) Gordan, V.V. 1079
The depth of cure of clear versus opaque sealants as influenced by curing regimens. Yue, C. et al. 331
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28
Improving clinical retention of one-step self-etching adhesive systems with an additional hydrophobic adhesive layer. Reis, A. et al. 877
A moderately favorable five-year success rate for resin-bonded bridges. (Critical Summaries) Hill, H.K. et al. 706
Sealing, refurbishment and repair of Class I and Class II defective restorations: a three-year clinical trial. Moncada, G. et al. 425
DENTAL CARE
The frequency of bleeding complications after invasive dental treatment in patients receiving single and dual antiplatelet therapy. Napeñas, J.J. et al. 690
Neuroplasticity and sensitization. (Pain Update) Greene, C.S. 676
"Periodontal maintenance." (Letter) Wentworth, R.B. 145; (Response) Levin, R.P. 146
Quitting tobacco use. (Letter) Zablotsky, N. 145

Economics
Restorative dentistry for times of economic distress. Christensen, G.J. 239
Treating the disadvantaged. (Letter) Gasteier, A.C. 401; (Response) Christensen, G.J. 402
For aged patients
Assessing caries increments in elderly patients with and without dementia: a one-year follow-up study. Ellefsen, B. et al. 1392
Improved denture retention in patients with retracted tongues. Lee, J.-H. et al. 987
For children
Assessing patterns of restorative and preventive care among children enrolled in Medicaid, by type of dental care provider. Taichman, L.S. et al. 886
Caries risk in formerly sealed teeth. Griffin, S.O. et al. 415
Children's anxiety decreases in sensorially adapted environment. (News) Snider, J. 407
A comparison of medical and dental outcomes for Medicaid-insured and uninsured Medicaid-eligible children: a U.S. population-based study. Fisher, M.A. 1403
Dental care utilization and expenditures in children with special health care needs. Beil, H. et al. 1147
Extending practice reach. (Letter) Luccy, C.J. 280; (Response) Niederman, R. 281
Fluoridated toothpaste and the prevention of early childhood caries: a failure to meet the needs of our young. (Guest Editorial) Milgrom, P. et al. 628
A healthy weight intervention for children in a dental setting: a pilot study. Tavares, M. et al. 313
Preventing dental caries through school-based sealant programs: updated recommendations and reviews of evidence. Gooch, B.F. et al. 1356
Sealants revisited. (Letter) Beaumont, R.H. 969; (Response) Griffin, S.O. et al. 970
Toothpaste and children. (Letter) Vean, A.H. 1076
What are the ethical considerations surrounding a minor's request for confidentiality? (Ethical Moment) Foy, P.J. 481
Xylitol-containing oral syrup may prevent caries in children. (News) Snider, J. 972
For patients with chronic illness
Atrial fibrillation: pathogenesis, medical-surgical management and dental implications. Friedlander, A.H. et al. 167
Congrats from an MD. (Letter) Heny, J.S. 515
Dealing with diabetes. (Letter) Jasper, W.J. 17; (Response) Mealey, B.L. 18
Obstructive sleep apnea. (Letter) Keller, S. 515; (Response) Friedlander, A.H. 515
Oral health needs among adults in the United States with chronic disease. Griffin, S.O. et al. 1266
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283
Parkinson disease: systemic and orofacial manifestation, medical and dental management. Friedlander, A.H. et al. 658
Patients with diabetes. (Letter) Varon, F. 276; (Response) Mealey, B.L. 277
Sjögren syndrome. (Letter) Friedlander, A.H. 279; (Response) Fox, P.C. 279
Tetracycline. (Letter) Zallen, R.D. 276; (Response) Miller, C.S. et al. 276
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56
An updated concept of coagulation with clinical implications. Romney, G. et al. 567
For patients with disabilities
Down syndrome and sleep-disordered breathing: the dentist's role. Waldman, H.B. et al. 307
Standards
Challenges in quality assessment of dental care. (Essay) Bader, J.D. 1456
The development and testing of a survey instrument for benchmarking dental plan performance: using insured patients' experiences as a gauge of dental care quality. Keller, S. et al. 229
The terrors of torture. (Letter) Dello Russo, N.M. 399; (Response) Speers, R.D. 399
Statistics
Providing dental care to pregnant patients: a survey of Oregon general dentists. Huebner, C.E. et al. 211
Utilization
Genetic variations associated with red hair color and fear of dental pain, anxiety regarding dental care and avoidance of dental care. Binkley, C.J. et al. 896
Redheads and fear. (Letter) Berger, A.S. 1219
Workforce
A home away from home: the patient-centered health home. (Editorial) Glick, M. 140
Oral assessments. (Letter) Schwartz, A. 514
DENTAL CARIES
Diagnosis
The biology, prevention, diagnosis and treatment of dental caries: scientific advances in the United States. Zero, D.T. et al. 25S
Economics
Beyond the dmft: the human and economic cost of early childhood caries. Casamassimo, P.S. et al. 650
Early childhood caries. (Letter) Smith, L.B. 1218.
Restorative dentistry for times of economic distress. Christensen, G.J. 239
Treating the disadvantaged. (Letter) Gasteier, A.C. 401; (Response) Christensen, G.J. 402
Epidemiology
Assessing caries increments in elderly patients with and without dementia: a one-year follow-up study. Ellefsen, B. et al. 1392
The association between enamel fluorosis and dental caries in U.S. schoolchildren. Iida, H. et al. 855
Caries risk in formerly sealed teeth. Griffin, S.O. et al. 415
Sealants revisited. (Letter) Beaumont, R.H. 969; (Response) Griffin, S.O. et al. 970
Women have more caries than men. (News) Lund, A.E. 21
Etiology
Sjögren syndrome. (Letter) Friedlander, A.H. 279; (Response) Fox, P.C. 279
Microbiology
Distribution of selected cariogenic bacteria in five different intra-oral habitats in young children. (JournalScan) Barnett, M.L. 577
Prevention
Assessing a potential risk factor for enamel fluorosis: a preliminary evaluation of fluoride content in infant formulas. Siew, C. et al. 1228

The biology, prevention, diagnosis and treatment of dental caries: scientific advances in the United States. Zero, D.T. et al. 25S
Chairside diet assessment of caries risk. Marshall, T.A. 670
Chewing gum and caries. (Letter) Berger, V.W. 638; (Response) Jadad, A.R. et al. 640
Extending practice reach. (Letter) Luccy, C.J. 280; (Response) Niederman, R. 281
Fluoridated toothpaste and the prevention of early childhood caries: a failure to meet the needs of our young. (Guest Editorial) Milgrom, P. et al. 628
Fluoride: nature's tooth decay fighter. (For the Dental Patient) American Dental Association Division of Science 126
Preventing dental caries through school-based sealant programs: updated recommendations and reviews of evidence. Gooch, B.F. et al. 1356
Toothpaste and children. (Letter) Vean, A.H. 1076
Xylitol-containing oral syrup may prevent caries in children. (News) Snider, J. 972

Radiography

In vivo study of pixel grey-measurement in digital subtraction radiography for monitoring caries remineralization. (JournalScan) Barnett, M.L. 579

Susceptibility

Chairside diet assessment of caries risk. Marshall, T.A. 670

Therapy

The biology, prevention, diagnosis and treatment of dental caries: scientific advances in the United States. Zero, D.T. et al. 25S
An evaluation of replacement rates for posterior resin-based composite and amalgam restorations in U.S. Navy and Marine Corps recruits. Simecek, J.W. et al. 200
A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156

DENTAL CAVITY PREPARATION

A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156
Sealing, refurbishment and repair of Class I and Class II defective restorations: a three-year clinical trial. Moncada, G. et al. 425

DENTAL CEMENTS

Retention of metal-ceramic crowns with contemporary dental cements. Johnson, G.H. et al. 1125

DENTAL CERAMICS

Porcelain-fused-to-metal versus zirconia-based ceramic restorations, 2009. Christensen, G.J. 1036
Retention of metal-ceramic crowns with contemporary dental cements. Johnson, G.H. et al. 1125

DENTAL DEVICES

Down syndrome and sleep-disordered breathing: the dentist's role. Waldman, H.B. et al. 307

Home care

A comparison of the effects of toothbrushing and handpiece prophylaxis on retention of sealants. Gray, S.K. et al. 38
Insufficient evidence to conclude that orthodontic patients derive benefits from using power toothbrushes. (Critical Summaries) Huang, G.J. 914
Retention of sealants. (Letter) Smith, W.P. Jr. 516; (Response) Gray, S.K. et al. 517

DENTAL ENAMEL

Assessing a potential risk factor for enamel fluorosis: a preliminary evaluation of fluoride content in infant formulas. Siew, C. et al. 1228
The association between enamel fluorosis and dental caries in U.S. schoolchildren. Iida, H. et al. 855
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
Infant food and enamel fluorosis: a systematic review. Hujoel, P.P. et al. 841
In vitro enamel erosion associated with commercially available original-flavor and sour versions of candies. Wagoner, S.N. et al. 906

DENTAL ENAMEL HYPOPLASIA

Clinical considerations in managing severe tooth discoloration with porcelain veneers. Chu, F.C.S. 442

DENTAL EQUIPMENT

Children's anxiety decreases in sensorially adapted environment. (News) Snider, J. 407
Evaluation of two nitrous oxide scavenging systems using infrared thermography to visualize and control emissions. Rademaker, A.M. et al. 190
Removing root canal obturation materials: a comparison of rotary file systems and re-treatment agents. Ring, J. et al. 680
Using nitrous oxide. (Letter) Houpt, M. 968; (Response) McGlothlin, J.D. 969

High-speed

A comparison of the effects of toothbrushing and handpiece prophylaxis on retention of sealants. Gray, S.K. et al. 38

DENTAL HYGIENISTS

Differences in characteristics of California dentists who employ dental hygienists and those who do not. Pourat, N. 1027
A healthy weight intervention for children in a dental setting: a pilot study. Tavares, M. et al. 313

DENTAL IMPLANTATION, ENDOSSEOUS

Clinical methodologies for achieving primary dental implant stability: the effects of alveolar bone density. Cavallaro, J. Jr. et al. 1366
Gingival retraction. (Letter) Mahler, H.J. 143; (Response) Bennani, V. et al. 143
A patient with a central incisor fractured apically in relation to the gingival margin. Spear, F. 355

DENTAL IMPLANTS

Clinical methodologies for achieving primary dental implant stability: the effects of alveolar bone density. Cavallaro, J. Jr. et al. 1366
Connecting teeth to implants: the truth about a debated technique. Spear, F. 587
Gingival retraction. (Letter) Mahler, H.J. 143; (Response) Bennani, V. et al. 143
History of treated periodontitis may signal a greater likelihood of implant problems. (Critical Summaries) Pinto, A. et al. 468; (Correction) 974
I am caught between two specialists with conflicting opinions. How can I ethically assist my patient in deciding which option is best? (Ethical Moment) Foy, P.J. 929
Implants or pontics: decision making for anterior tooth replacement. Spear, F. 1160
The increased use of small-diameter implants. Christensen, G.J. 709
Orally administered amoxicillin decreases the risk of implant failures. (Critical Summaries) Geisler, S. 1294
Periodontitis and implants. (Letter)

Gillette, W. 966; (Response) Bader, J.D. 966
Subgingival debridement appears as effective as more complex and expensive therapies for peri-implantitis. (Critical Summaries) McMullan-Vogel, C.G. 340
Standards
Understanding the practice management component of dental implants. Levin, R.P. 243
DENTAL IMPRESSION TECHNIQUE
Gingival retraction. (Letter) Mahler, H.J. 143; (Response) Bennani, V. et al. 143
Impressions are changing: deciding on conventional, digital or digital plus in-office milling. Christensen, G.J. 1301
DENTAL LEAKAGE
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
DENTAL OCCLUSION, CENTRIC
Biology of esthetics. (Letter) Dumont, T.D. 146; (Response) Ker, A.J. et al. 148
DENTAL PLAQUE
Detection of cytotoxin genotypes of *Helicobacter pylori* in stomach, saliva and dental plaque. (JournalScan) Barnett, M.L. 1158
Genetic relationships between respiratory pathogens isolated from dental plaque and bronchoalveolar lavage fluid from patients in the intensive care unit undergoing mechanical ventilation. (JournalScan) Barnett, M.L. 344
Inflammatory response to dental plaque accumulation varies by sex, race. (News) Lund, A.E. 1351
Self-ligating orthodontic brackets associated with fewer plaque bacteria. (News) Snider, J. 836
DENTAL PORCELAIN
Porcelain-fused-to-metal versus zirconia-based ceramic restorations, 2009. Christensen, G.J. 1036
DENTAL PROPHYLAXIS
A comparison of the effects of toothbrushing and handpiece prophylaxis on retention of sealants. Gray, S.K. et al. 38
Making the most of hygiene appointments. Levin, R.P. 1305
"Periodontal maintenance." (Letter) Wentworth, R.B. 145; (Response) Levin, R.P. 146
Retention of sealants. (Letter) Smith, W.P. Jr. 516; (Response) Gray, S.K. et al. 517
What should I do about dental assistants who are performing prophylaxes? (Ethical Moment) Gamba, T.W. 107
DENTAL PROSTHESIS
Design
CAD/CAM and esthetics. (Letter) Monokian, H.H. 15; (Response) Christensen, G.J. 15
Connecting teeth to implants: the truth about a debated technique. Spear, F. 587
Gingival retraction. (Letter) Mahler, H.J. 143; (Response) Bennani, V. et al. 143
The increased use of small-diameter implants. Christensen, G.J. 709
Failure
History of treated periodontitis may signal a greater likelihood of implant problems. (Critical Summaries) Pinto, A. et al. 468; (Correction) 974
A moderately favorable five-year success rate for resin-bonded bridges. (Critical Summaries) Hill, H.K. et al. 706
Orally administered amoxicillin decreases the risk of implant failures. (Critical Summaries) Geisler, S. 1294
Periodontitis and implants. (Letter) Gillette, W. 966; (Response) Bader, J.D. 966
Implant supported
Neuroplasticity of edentulous patients with implant-supported full dentures. (JournalScan) Barnett, M.L. 86
Retention
Improved denture retention in patients with retracted tongues. Lee, J.-H. et al. 987
Retention of metal-ceramic crowns with contemporary dental cements. Johnson, G.H. et al. 1125
DENTAL PULP
Evaluation of pluripotency in human dental pulp cells. (JournalScan) Barnett, M.L. 578
The validity of pulp testing: a clinical study. Weisleder, R. et al. 1013
Pulpitis
Study finds link between oral inflammatory diseases and Epstein-Barr virus. (News) Snider, J. 150
DENTAL RECORDS
Patient records. (Letter) Cockerell, T. Jr. 402; (Response) Thyvalikakath, T.P. et al. 403
DENTAL RESTORATION, PERMANENT
Assessing patterns of restorative and preventive care among children enrolled in Medicaid, by type of dental care provider. Taichman, L.S. et al. 886
Economics
Restorative dentistry for times of economic distress. Christensen, G.J. 239
Treating the disadvantaged. (Letter) Gasteier, A.C. 401; (Response) Christensen, G.J. 402
Failure
Am I ethically bound to discuss amalgam restorations with my patients? (Ethical Moment) Gamba, T.W. 1544
A comparison of the effects of toothbrushing and handpiece prophylaxis on retention of sealants. Gray, S.K. et al. 38
Defective restorations. (Letter) Kuban, D.S. 1076; (Response) Gordan, V.V. 1079
Dental restoration dislodgement and fracture during scuba diving: a case of barotrauma. Peker, I. et al. 1118
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28
An evaluation of replacement rates for posterior resin-based composite and amalgam restorations in U.S. Navy and Marine Corps recruits. Simecek, J.W. et al. 200
Improving clinical retention of one-step self-etching adhesive systems with an additional hydrophobic adhesive layer. Reis, A. et al. 877
A long-term evaluation of alternative treatments to replacement of resin-based composite restorations: results of a seven-year study. Gordan, V.V. et al. 1476
A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156
Sealants revisited. (Letter) Beaumont, R.H. 969; (Response) Griffin, S.O. et al. 970
Sealing, refurbishment and repair of Class I and Class II defective restorations: a three-year clinical trial. Moncada, G. et al. 425
Methods
Clinical evaluation of two packable

posterior composites: a five-year follow-up study. Fagundes, T.C. et al. 447
The effects of occlusal loading on the margins of cervical restorations. Francisconi, L.F. et al. 1275
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28
Improving clinical retention of one-step self-etching adhesive systems with an additional hydrophobic adhesive layer. Reis, A. et al. 877
A long-term evaluation of alternative treatments to replacement of resin-based composite restorations: results of a seven-year study. Gordan, V.V. et al. 1476
A patient with a central incisor fractured apically in relation to the gingival margin. Spear, F. 355
Porcelain-fused-to-metal versus zirconia-based ceramic restorations, 2009. Christensen, G.J. 1036
A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156
A 12-year clinical evaluation of a three-step dentin adhesive in non-carious cervical lesions. Wilder, A.D. Jr. et al. 526
Using margin placement to achieve the best anterior restorative esthetics. Spear, F. 920

DENTAL RESTORATION, TEMPORARY
An interdisciplinary approach to the use of long-term temporary restorations. Spear, F. 1418

DENTAL STAFF
Developing your staff into a patient education team. Christensen, G.J. 1536
Exploring leadership and team communication within the organizational environment of a dental practice. Chilcutt, A.S. 1252
Quitting tobacco use. (Letter) Zablotsky, N. 145
Why training matters more than ever. Levin, R.P. 479

DENTAL STRESS ANALYSIS
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
The effects of occlusal loading on the margins of cervical restorations. Francisconi, L.F. et al. 1275

DENTAL VENEERS
Clinical considerations in managing severe tooth discoloration with porcelain veneers. Chu, F.C.S. 442

DENTIN
Dentin grows more brittle with age. (News) Lund, A. 1472

DENTIN-BONDING AGENTS
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28

DENTIN SENSITIVITY
Assessing the effect of a desensitizing agent used before in-office tooth bleaching. Tay, L.Y. et al. 1245

DENTIST-PATIENT RELATIONS
Am I ethically bound to discuss amalgam restorations with my patients? (Ethical Moment) Gamba, T.W. 1544
Ethical moment. (Letter) Ripley, R. 1214; (Response) Wentworth, R.B. 1216
A minor's request. (Letter) Chay-Torres, J.F. 1216
Respect for patients' autonomy. Reid, K.I. 470
What are specialists' ethical obligations when treating patients who refer themselves? (Ethical Moment) Wentworth, R.B. 364
What are the ethical considerations surrounding a minor's request for confidentiality? (Ethical Moment) Foy, P.J. 481
What ethical guidance is there for dismissing a patient from a practice? (Ethical Moment) Wentworth, R.B. 717

DENTISTRY
History
ADAF Paffenbarger Research Center: where many new ideas for dentistry start. Mark, A. 10S
The biology, prevention, diagnosis and treatment of dental caries: scientific advances in the United States. Zero, D.T. et al. 25S
The biology, prevention, diagnosis and treatment of periodontal diseases: scientific advances in the United States. Armitage, G.C. et al. 36S
The evolution of America's scientific advancements in dentistry in the past 150 years. Gutmann, J.L. 8S
Highlights of America's scientific contribution to dentistry: 150 years and still counting. Pihlstrom, B.L. 4S
Science is the fuel for the engine of technology and clinical practice. Snead, M.L. et al. 17S
A view of the future: dentistry and oral health in America. Garcia, I. et al. 44S

Standards
Cottages no more. (Guest Editorial) Orr, D.L. II 960
Regulating dental practice. (Letter) Starkey, M.A. 1465; (Response) Orr, D.L. II 1466
Self-governance and public safety (Letter) Crowley, K.E. 1465; (Response) Orr, D.L. II 1466

Trends
A view of the future: dentistry and oral health in America. Garcia, I. et al. 44S

Workforce
Dentist workforce trends in a primarily rural state: Iowa: 1997-2007. Kuthy, R.A. et al. 1527

DENTISTS
Education
Doctors of oral health: what it takes to be a dentist. (For the Dental Patient) American Dental Association Division of Government and Public Affairs 1200

Legislation and jurisprudence
Failure to diagnose and delayed diagnosis of cancer: medicolegal issues. Epstein, J.B. et al. 1494

Practice patterns
Assessing patterns of restorative and preventive care among children enrolled in Medicaid, by type of dental care provider. Taichman, L.S. et al. 886
Oral cancer knowledge, attitudes and practices: a survey of dentists and primary care physicians in Massachusetts. Applebaum, E. et al. 461; (Correction) 522
"Periodontal maintenance." (Letter) Wentworth, R.B. 145; (Response) Levin, R.P. 146

Psychology
Oral cancer knowledge, attitudes and practices: a survey of dentists and primary care physicians in Massachusetts. Applebaum, E. et al. 461; (Correction) 522

Role
Dentists' role in treating facial injuries sustained in the 2008 earthquake in China: how dental professionals can contribute to emergency response. Wang, L. et al. 543
Do dentists have a role in fighting the latest H1N1 pandemic? (Editorial) Glick, M. 1072
Expanding the dentist's role in health care delivery: is it time to discard the Procrustean bed? (Editorial) Glick, M. 1340

The U.S. approach to dental emergency preparedness and disaster response. American Dental Association Council on Dental Practice 546
DENTITION, PRIMARY
A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156
DENTURES
Osteonecrosis of the jaw. (Letter) Kyrgidis, A. et al. 1216; (Response) Almarzooa, S. et al. 1217
Complete
Improved denture retention in patients with retracted tongues. Lee, J.-H. et al. 987
Partial, fixed
Implants or pontics: decision making for anterior tooth replacement. Spear, F. 1160
A moderately favorable five-year success rate for resin-bonded bridges. (Critical Summaries) Hill, H.K. et al. 706
A patient with a central incisor fractured apically in relation to the gingival margin. Spear, F. 355
DESENSITIZING AGENTS
Assessing the effect of a desensitizing agent used before in-office tooth bleaching. Tay, L.Y. et al. 1245
DIABETES MELLITUS
Blood glucose measurement
Dealing with diabetes. (Letter) Jasper, W.J. 17; (Response) Mealey, B.L. 18
Gestational
Periodontal disease is associated with gestational diabetes mellitus: a case-control study. (JournalScan) Barnett, M.L. 1413
Prevention
Weak evidence suggests scaling and root planing may help people with diabetes improve glycemic control. (Critical Summaries) Matthews, J. et al. 1144
DIAGNOSTIC ERRORS
Failure to diagnose and delayed diagnosis of cancer: medicolegal issues. Epstein, J.B. et al. 1494
DIAGNOSTIC IMAGING
Objective detection and delineation of oral neoplasia using autofluorescence imaging. (JournalScan) Barnett, M.L. 1157
DIET
Potential mechanisms underpinning the nutritional modulation of periodontal inflammation. Chapple, I.L.C. 178
DIET, REDUCING
A healthy weight intervention for children in a dental setting: a pilot study. Tavares, M. et al. 313
DISASTER PLANNING
Dentists' role in treating facial injuries sustained in the 2008 earthquake in China: how dental professionals can contribute to emergency response. Wang, L. et al. 543
The U.S. approach to dental emergency preparedness and disaster response. American Dental Association Council on Dental Practice 546
DMF INDEX *see* DECAYED, MISSING AND FILLED (DMF) INDEX
DNA, BACTERIAL
Cancer, stomach ulcer bacteria may cause halitosis. (News) Lund, A.E. 20
DNA, VIRAL
Study finds link between oral inflammatory diseases and Epstein-Barr virus. (News) Snider, J. 150
DOWN SYNDROME
Down syndrome and sleep-disordered breathing: the dentist's role. Waldman, H.B. et al. 307
DRUG RESISTANCE
Evidence of how "superbugs" spread is found. (News) Lund, A.E. 20

E

EARTHQUAKES
Dentists' role in treating facial injuries sustained in the 2008 earthquake in China: how dental professionals can contribute to emergency response. Wang, L. et al. 543
ECONOMIC COMPETITION
The effects of insurance carrier market power on dentists and patients. Brown, L.J. et al. 90
Insurers and market power. (Letter) Folan, M.H. 832; (Response) American Dental Association Council on Dental Benefit Programs 835
Message from Delta Dental. (Letter) Volk, K.E. 634; (Response) Brown, L.J. et al. 636
What can be done regarding a new dentist who may be unjustly criticizing other dentists' treatments and competing for our patients? (Ethical Moment) Wentworth, R.B. 1169
ECONOMICS
Restorative dentistry for times of economic distress. Christensen, G.J. 239
Treating the disadvantaged. (Letter) Gasteier, A.C. 401; (Response) Christensen, G.J. 402
EDETIC ACID
Dissolution of root canal sealers in EDTA and NaOCl solutions. Keleş, A. et al. 74
EDITORIAL POLICIES
Reporting clinical trial results. (Guest Editorial) Pihlstrom, B.L. 12
EDUCATION
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
Doctors of oral health: what it takes to be a dentist. (For the Dental Patient) American Dental Association Division of Government and Public Affairs 1200
EFFICIENCY, ORGANIZATIONAL
Production per chair: the key to achieving greater efficiency. Levin, R.P. 927
EMERGENCY MEDICAL SERVICES
Dentists' role in treating facial injuries sustained in the 2008 earthquake in China: how dental professionals can contribute to emergency response. Wang, L. et al. 543
Is it ethically appropriate for an on-call dentist to provide more than palliative care for my patients while I am away from the office? (Ethical Moment) Wentworth, R.B. 1427
The U.S. approach to dental emergency preparedness and disaster response. American Dental Association Council on Dental Practice 546
ENDARTERECTOMY, CAROTID
Reliability of panoramic radiography for carotid atheroma detection: a study in patients who fulfill the criteria for carotid endarterectomy. (JournalScan) Barnett, M.L. 87
ENDOCARDITIS, BACTERIAL
Antibiotic prophylaxis. (Letter) Friedlander, A.H. 1347; (Response) Chung, M. 1348
Poor oral hygiene as a risk factor for infective endocarditis-related bacteremia. Lockhart, P.B. et al. 1238
Prescription of antibiotics for prophylaxis to prevent bacterial endocarditis. (Critical Summaries) Chung, M. 1025
ERYTHEMA
Palatal erythema. Hupp, W.S. 555
ESCHERICHIA COLI
Evidence of how "superbugs" spread is found. (News) Lund, A.E. 20
ESTHETICS
Assessing the influence of skin color

and tooth shade value on perceived smile attractiveness. Sabherwal, R.S. et al. 696
Biology of esthetics. (Letter) Dumont, T.D. 146; (Response) Ker, A.J. et al. 148
CAD/CAM and esthetics. (Letter) Monokian, H.H. 15; (Response) Christensen, G.J. 15
Full-face images. (Letter) Greenberg, J.R. 147; (Response) Ker, A.J. et al. 148
Inspired. (Letter) Lord. E. 143
Rating smiles. (Letter) Chiaravalli, P. 147; (Response) Ker, A.J. et al. 148
Using margin placement to achieve the best anterior restorative esthetics. Spear, F. 920

ETHANOL
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28

ETHICS
Am I ethically bound to discuss amalgam restorations with my patients? (Ethical Moment) Gamba, T.W. 1544
Can I ethically provide my neighbor with an informal second opinion? (Ethical Moment) Foy, P.J. 598
Ethical moment. (Letter) Ripley, R. 1214; (Response) Wentworth, R.B. 1216
How can I ethically handle referrals to a specialist against whom there are allegations of unethical behavior? (Ethical Moment) Fisch, J. 1042
I am caught between two specialists with conflicting opinions. How can I ethically assist my patient in deciding which option is best? (Ethical Moment) Foy, P.J. 929
Is it ethically appropriate for an on-call dentist to provide more than palliative care for my patients while I am away from the office? (Ethical Moment) Wentworth, R.B. 1427
Is it ever ethically appropriate to use the phrase "specializes in" when referring to a general practitioner? (Ethical Moment) Foy, P.J. 1308
A minor's request. (Letter) Chay-Torres, J.F. 1216
Not a court of law. (Letter) Dello Russo, N.M. 1344; (Response) Fisch, J. 1347
Overanxious patients. (Letter) Fioritto, H.J. 400; (Response) Gamba, T.W. 400
Respect for patients' autonomy. Reid, K.I. 470
What are specialists' ethical obligations when treating patients who refer themselves? (Ethical Moment) Wentworth, R.B. 364
What are the ethical considerations surrounding a minor's request for confidentiality? (Ethical Moment) Foy, P.J. 481
What are the ethical issues I should consider when contemplating exclusive territory agreements? (Ethical Moment) Nisselson, H.S. 245
What can be done regarding a new dentist who may be unjustly criticizing other dentists' treatments and competing for our patients? (Ethical Moment) Wentworth, R.B. 1169
What ethical guidance is there for dismissing a patient from a practice? (Ethical Moment) Wentworth, R.B. 717
What should I do about dental assistants who are performing prophylaxes? (Ethical Moment) Gamba, T.W. 107
Understanding the code. (Letter) Davis, M.W. 1344; (Response) Fisch, J. 1347

ETHNIC GROUPS
Assessing the influence of skin color and tooth shade value on perceived smile attractiveness. Sabherwal, R.S. et al. 696
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346

EVIDENCE-BASED DENTISTRY
Evidence-based dentistry finds a new forum: exelauno. (Guest Editorial) Niederman, R. 272
Questions about EBD. (Letter) Chambers, D.W. 632; (Response) Niederman, R. 632

EXERCISE
A healthy weight intervention for children in a dental setting: a pilot study. Tavares, M. et al. 313

F

F FACTOR
Evidence of how "superbugs" spread is found. (News) Lund, A.E. 20

FACIAL INJURIES
Dentists' role in treating facial injuries sustained in the 2008 earthquake in China: how dental professionals can contribute to emergency response. Wang, L. et al. 543

FACIAL PAIN
Clinical characteristics and diagnosis of atypical odontalgia: implications for dentists. Ram, S. et al. 223
A comparison of a refrigerant and a topical anesthetic gel as preinjection anesthetics: a clinical evaluation. Kosaraju, A. et al. 68
Insufficient evidence to support the use of stabilization splint therapy over other active interventions in the treatment of temporomandibular myofascial pain. (Critical Summaries) Thurman, M.M. et al. 1524
Referred pain, allodynia and hyperalgesia. Murray, G.M. 1122

FAMILY HEALTH
AXIS inhibition protein 2, orofacial clefts and a family history of cancer. Menezes, R. et al. 80

FEES AND CHARGES
The effects of insurance carrier market power on dentists and patients. Brown, L.J. et al. 90
Extending practice reach. (Letter) Luccy, C.J. 280; (Response) Niederman, R. 281
Insurers and market power. (Letter) Folan, M.H. 832; (Response) American Dental Association Council on Dental Benefit Programs 835
Message from Delta Dental. (Letter) Volk, K.E. 634; (Response) Brown, L.J. et al. 636

FIMBRIAE, BACTERIAL
Evidence of how "superbugs" spread is found. (News) Lund, A.E. 20

FLUMAZENIL
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559

FLUORESCENCE
Objective detection and delineation of oral neoplasia using autofluorescence imaging. (JournalScan) Barnett, M.L. 1157

FLUORIDATION
Assessing a potential risk factor for enamel fluorosis: a preliminary evaluation of fluoride content in infant formulas. Siew, C. et al. 1228
Fluoride: nature's tooth decay fighter. (For the Dental Patient) American Dental Association Division of Science 126

FLUORIDES
Administration
Fluoridated toothpaste and the prevention of early childhood caries: a failure to meet the needs of our

young. (Guest Editorial) Milgrom, P. et al. 628
Fluoride: nature's tooth decay fighter. (For the Dental Patient) American Dental Association Division of Science 126
Toothpaste and children. (Letter) Vean, A.H. 1076
Adverse effects
Assessing a potential risk factor for enamel fluorosis: a preliminary evaluation of fluoride content in infant formulas. Siew, C. et al. 1228
FLUOROSIS
Assessing a potential risk factor for enamel fluorosis: a preliminary evaluation of fluoride content in infant formulas. Siew, C. et al. 1228
The association between enamel fluorosis and dental caries in U.S. schoolchildren. Iida, H. et al. 855
Fluorosis. (Letter) Croll, T.P. 278
Infant food and enamel fluorosis: a systematic review. Hujoel, P.P. et al. 841
FOCAL EPITHELIAL HYPERPLASIA
Asymptomatic pebbly lesions. Kutcher, M.J. et al. 185
FOCAL INFECTION
Periodontal disease and other diseases. (Letter) Pallasch, T.J. 16; (Response) Lamster, I.B. 17
FOOD PREFERENCES
Chairside diet assessment of caries risk. Marshall, T.A. 670
Heightened sweet preference linked to physical growth. (News) Lund, A.E. 520
FOREIGN BODIES
Broken local anesthetic needles: a case series of 16 patients, with recommendations. Pogrel, M.A. 1517
FOUNDATIONS
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
FURCATION DEFECTS
Radiographic characteristics of furcation involvements in mandibular molars as prognostic indicators of healing after nonsurgical periodontal therapy. Do Vale, H.F. et al. 434

G

GABA MODULATORS
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559
GAS SCAVENGERS
Evaluation of two nitrous oxide scavenging systems using infrared thermography to visualize and control emissions. Rademaker, A.M. et al. 190
Using nitrous oxide. (Letter) Houpt, M. 968; (Response) McGlothlin, J.D. 969
GASTROESOPHAGEAL REFLUX
Evidence linking gastroesophageal reflux disease and dental erosion is not strong. (Critical Summaries) Fan-Hsu, J. 1401
Worn teeth. (Letter) Schlott, W. 401; (Response) Spear, F. 401
GENERAL PRACTICE
Is it ever ethically appropriate to use the phrase "specializes in" when referring to a general practitioner? (Ethical Moment) Foy, P.J. 1308
Providing dental care to pregnant patients: a survey of Oregon general dentists. Huebner, C.E. et al. 211
GENE THERAPY
Gene therapy stops periodontal disease development. (News) Snider, J. 150
GINGIVAL RECESSION
The influence of tobacco smoking on the outcomes achieved by root-coverage procedures: a systematic review. Chambrone, L. et al. 294
GINGIVAL RETRACTION
Gingival retraction. (Letter) Mahler, H.J. 143; (Response) Bennani, V. et al. 143
GINGIVITIS
Insufficient evidence to conclude that orthodontic patients derive benefits from using power toothbrushes. (Critical Summaries) Huang, G.J. 914
GINGIVOPLASTY
The influence of tobacco smoking on the outcomes achieved by root-coverage procedures: a systematic review. Chambrone, L. et al. 294
GONADAL STEROID HORMONES
Women have more caries than men. (News) Lund, A.E. 21

H

H1N1 INFLUENZA VIRUS
ADA provides dentists with H1N1 influenza virus information. (News) Garvin, J. 646
Do dentists have a role in fighting the latest H1N1 pandemic? (Editorial) Glick, M. 1072
Surgical masks nearly as effective as N95 respirators, study finds. (News) Snider, J. 1470
HAIR PIGMENTATION
Genetic variations associated with red hair color and fear of dental pain, anxiety regarding dental care and avoidance of dental care. Binkley, C.J. et al. 896
Redheads and fear. (Letter) Berger, A.S. 1219
HALITOSIS
Cancer, stomach ulcer bacteria may cause halitosis. (News) Lund, A.E. 20
HARDNESS
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
HEAD AND NECK NEOPLASMS
Diagnosis
Failure to diagnose and delayed diagnosis of cancer: medicolegal issues. Epstein, J.B. et al. 1494
Mortality
Comorbidities affect survival of patients with head, neck cancer. (News) Snider, J. 152
Radiotherapy
Acupuncture may relieve xerostomia symptoms in patients with head, neck cancer. (News) Snider, J. 646
Virology
HPV-positive patients with head, neck cancer may have better outcomes than HPV-negative patients. (News) Snider, J. 1222
HEALTH
Behavior
Chairside diet assessment of caries risk. Marshall, T.A. 670
Expenditures
Dental care utilization and expenditures in children with special health care needs. Beil, H. et al. 1147
Knowledge, attitudes, practice
Oral cancer knowledge, attitudes and practices: a survey of dentists and primary care physicians in Massachusetts. Applebaum, E. et al. 461; (Correction) 522
Needs and demand
Oral health needs among adults in the United States with chronic disease. Griffin, S.O. et al. 1266
Promotion
Fluoridated toothpaste and the prevention of early childhood caries: a failure to meet the needs of our young. (Guest Editorial) Milgrom, P. et al. 628
Toothpaste and children. (Letter) Vean, A.H. 1076

Services, accessibility
Access to care. (Letter) Benjamin, P. 640; (Response) Guay, A.H. 642
Beyond the dmft: the human and economic cost of early childhood caries. Casamassimo, P.S. et al. 650
A comparison of medical and dental outcomes for Medicaid-insured and uninsured Medicaid-eligible children: a U.S. population-based study. Fisher, M.A. 1403
Dental care utilization and expenditures in children with special health care needs. Beil, H. et al. 1147
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
Early childhood caries. (Letter) Smith, L.B. 1218.
Providing dental care to pregnant patients: a survey of Oregon general dentists. Huebner, C.E. et al. 211
The terrors of torture. (Letter) Dello Russo, N.M. 399; (Response) Speers, R.D. 399
Utilization and access. (Letter) Davis, T.B. 1076
Utilization and access: different concepts for different interests? (Editorial) Glick, M. 396
Status
An assessment of oral health importance: results of a statewide survey. Carr, A.B. et al. 580
A comparison of medical and dental outcomes for Medicaid-insured and uninsured Medicaid-eligible children: a U.S. population-based study. Fisher, M.A. 1403
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283
HEALTH CARE DISPARITIES
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
HEALTH CARE REFORM
The ADA and health care reform. (Guest Editorial) Crowley, J.P. 1212
HEALTH CARE SURVEYS
The development and testing of a survey instrument for benchmarking dental plan performance: using insured patients' experiences as a gauge of dental care quality. Keller, S. et al. 229
***HELICOBACTER* INFECTIONS**
Cancer, stomach ulcer bacteria may cause halitosis. (News) Lund, A.E. 20
Detection of cytotoxin genotypes of *Helicobacter pylori* in stomach, saliva and dental plaque. (Journal Scan) Barnett, M.L. 1158
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283
HEMOGLOBIN A, GLYCOSYLATED
Patients with diabetes. (Letter) Varon, F. 276; (Response) Mealey, B.L. 277
HEMOSTATICS
The frequency of bleeding complications after invasive dental treatment in patients receiving single and dual antiplatelet therapy. Napeñas, J.J. et al. 690
HEPATITIS C
Tongue hyperpigmentation resulting from peginterferon alfa and ribavirin combination therapy: a case report. de Moraes, P.C. et al. 1377
HERPESVIRUS 4, HUMAN
Study finds link between oral inflammatory diseases and Epstein-Barr virus. (News) Snider, J. 150
HISTOPLASMOSIS
Treating oral histoplasmosis in an immunocompetent patient. Muñante-Cárdenas, J.L et al. 1373
HISTORY, DENTAL
ADAF Paffenbarger Research Center: where many new ideas for dentistry start. Mark, A. 10S
The biology, prevention, diagnosis and treatment of dental caries: scientific advances in the United States. Zero, D.T. et al. 25S
The biology, prevention, diagnosis and treatment of periodontal diseases: scientific advances in the United States. Armitage, G.C. et al. 36S
Connecting teeth to implants: the truth about a debated technique. Spear, F. 587
The evolution of America's scientific advancements in dentistry in the past 150 years. Gutmann, J.L. 8S
Highlights of America's scientific contribution to dentistry: 150 years and still counting. Pihlstrom, B.L. 4S
Science is the fuel for the engine of technology and clinical practice. Snead, M.L. et al. 17S
A view of the future: dentistry and oral health in America. Garcia, I. et al. 44S
HUMAN PAPILLOMAVIRUS *see* PAPILLOMAVIRUS, HUMAN
HYDROCARBONS, FLUORINATED
A comparison of a refrigerant and a topical anesthetic gel as preinjection anesthetics: a clinical evaluation. Kosaraju, A. et al. 68
HYPERALGESIA
Referred pain, allodynia and hyperalgesia. Murray, G.M. 1122
HYPERESTHESIA
The importance of clinical features and computed tomographic findings in numb chin syndrome: a report of two cases. Yoshioka, I. et al. 550
HYPERPIGMENTATION
Tongue hyperpigmentation resulting from peginterferon alfa and ribavirin combination therapy: a case report. de Moraes, P.C. et al. 1377
HYPNOTICS AND SEDATIVES
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559
HYPOTHERMIA, INDUCED
Anesthesia, hypothermia can increase Alzheimer disease development. (News) Lund, A.E. 520
HYPOXIA, BRAIN
The potentially harmful medical consequences of untreated sleep-disordered breathing: the evidence supporting brain damage. Simmons, M.S. et al. 536
HYPOXIA-INDUCIBLE FACTOR 1
Researchers discover how chemotherapeutic agents block blood vessel growth. (News) Lund, A.E. 285

I

INCISOR
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
The efficacy of a repeated infiltration in prolonging duration of pulpal anesthesia in maxillary lateral incisors. Scott, J. et al. 318
A patient with a central incisor fractured apically in relation to the gingival margin. Spear, F. 355
INFANT FOOD
Assessing a potential risk factor for enamel fluorosis: a preliminary evaluation of fluoride content in infant formulas. Siew, C. et al. 1228
Infant food and enamel fluorosis: a systematic review. Hujoel, P.P. et al. 841
INFECTION
Bisphosphonate and nonbisphosphonate-associated osteonecrosis of the jaw: a review. Almazrooa, S.A. et al. 864
Osteonecrosis of the jaw. (Letter) Kyrgidis, A. et al. 1216; (Response)

Almarzooa, S. et al. 1217
INFECTION CONTROL
Cottages no more. (Guest Editorial) Orr, D.L. II 960
Self-governance and public safety (Letter) Crowley, K.E. 1465; (Response) Orr, D.L. II 1466
Evidence of aerosolized floating blood mist during oral surgery. (JournalScan) Barnett, M.L. 918
Regulating dental practice. (Letter) Starkey, M.A. 1465; (Response) Orr, D.L. II 1466
Surgical masks nearly as effective as N95 respirators, study finds. (News) Snider, J. 1470
Tuberculosis epidemiology, diagnosis and infection control recommendations for dental settings: an update on the Centers for Disease Control and Prevention guidelines. Cleveland, J.L. et al. 1092
INFLUENZA A, HUMAN
ADA provides dentists with H1N1 influenza virus information. (News) Garvin, J. 646
Do dentists have a role in fighting the latest H1N1 pandemic? (Editorial) Glick, M. 1072
Surgical masks nearly as effective as N95 respirators, study finds. (News) Snider, J. 1470
INFLUENZA A VIRUS
Multiple components contribute to ability of saliva to inhibit influenza virus. (JournalScan) Barnett, M.L. 342
INFORMATION DISSEMINATION
The clinician's guide to the literature: interpreting results. Greenberg, B.L. et al. 48
IN-SERVICE TRAINING
Developing your staff into a patient education team. Christensen, G.J. 1536
Why training matters more than ever. Levin, R.P. 479
INSURANCE, DENTAL
The development and testing of a survey instrument for benchmarking dental plan performance: using insured patients' experiences as a gauge of dental care quality. Keller, S. et al. 229
The effects of insurance carrier market power on dentists and patients. Brown, L.J. et al. 90
Insurers and market power. (Letter) Folan, M.H. 832; (Response) American Dental Association Council on Dental Benefit Programs 835
Message from Delta Dental. (Letter) Volk, K.E. 634; (Response) Brown, L.J. et al. 636
INTERLEUKIN-6
Distribution of selected cariogenic bacteria in five different intra-oral habitats in young children. (JournalScan) Barnett, M.L. 577
INTERNET
Evidence-based dentistry finds a new forum: exelauno. (Guest Editorial) Niederman, R. 272
Questions about EBD. (Letter) Chambers, D.W. 632: (Response) Niederman, R. 632
INTERPROFESSIONAL RELATIONS
Improving dentist-technician interaction and communication. Christensen, G.J. 475
Interacting with technicians. (Letter) Stevenson, R.B. 964; (Response) Christensen, G.J. 966
INTRAPROFESSIONAL RELATIONS
What can be done regarding a new dentist who may be unjustly criticizing other dentists' treatments and competing for our patients? (Ethical Moment) Wentworth, R.B. 1169

J

JAW, EDENTULOUS
The increased use of small-diameter implants. Christensen, G.J. 709
Inspired. (Letter) Lord. E. 143
Neuroplasticity of edentulous patients with implant-supported full dentures. (JournalScan) Barnett, M.L. 86
JOURNAL OF THE AMERICAN DENTAL ASSOCIATION, THE
JADA makes the list of top 100 journals. (News) Berry, J. 972

K

KIDNEY FAILURE, CHRONIC
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283
Tetracycline. (Letter) Zallen, R.D. 276; (Response) Miller, C.S. et al. 276
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56

L

LEADERSHIP
Exploring leadership and team communication within the organizational environment of a dental practice. Chilcutt, A.S. 1252
LEGISLATION
What are the ethical issues I should consider when contemplating exclusive territory agreements? (Ethical Moment) Nisselson, H.S. 245
LIABILITY, LEGAL
Failure to diagnose and delayed diagnosis of cancer: medicolegal issues. Epstein, J.B. et al. 1494
LIDOCAINE
A comparison of a refrigerant and a topical anesthetic gel as preinjection anesthetics: a clinical evaluation. Kosaraju, A. et al. 68
The efficacy of a repeated infiltration in prolonging duration of pulpal anesthesia in maxillary lateral incisors. Scott, J. et al. 318

M

MALOCCLUSION
Clinical considerations in managing severe tooth discoloration with porcelain veneers. Chu, F.C.S. 442
A second opinion. (Letter) Lockerman, L.Z. 144; (Response) Spear, F. 144
MANDIBLE
The efficacy of six local anesthetic formulations used for posterior mandibular buccal infiltration anesthesia. Abdulwahab, M. et al. 1018
Improved denture retention in patients with retracted tongues. Lee, J.-H. et al. 987
MANDIBULAR NEOPLASMS
The importance of clinical features and computed tomographic findings in numb chin syndrome: a report of two cases. Yoshioka, I. et al. 550
A multilocular radiolucency of the mandible. Kuperstein, A.S. et al. 1001
MARGINAL ADAPTATION
The effects of occlusal loading on the margins of cervical restorations. Francisconi, L.F. et al. 1275
Using margin placement to achieve the best anterior restorative esthetics. Spear, F. 920
MARKETING
The effects of insurance carrier market power on dentists and patients. Brown, L.J. et al. 90
Insurers and market power. (Letter) Folan, M.H. 832; (Response) American Dental Association Council on Dental Benefit Programs 835
Message from Delta Dental. (Letter) Volk, K.E. 634; (Response) Brown, L.J. et al. 636
Periodontal disease and other diseases. (Letter) Pallasch, T.J. 16;

(Response) Lamster, I.B. 17
MAXILLA
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
Diagnosis and management of impacted maxillary canines: a review. Bedoya, M.M. et al. 1485
The efficacy of a repeated infiltration in prolonging duration of pulpal anesthesia in maxillary lateral incisors. Scott, J. et al. 318
MEDICAID
Assessing patterns of restorative and preventive care among children enrolled in Medicaid, by type of dental care provider. Taichman, L.S. et al. 886
A comparison of medical and dental outcomes for Medicaid-insured and uninsured Medicaid-eligible children: a U.S. population-based study. Fisher, M.A. 1403
MEDICAL RECORDS SYSTEMS, COMPUTERIZED
Patient records. (Letter) Cockerell, T. Jr. 402; (Response) Thyvalikakath, T.P. et al. 403
Patients benefit from "paperless" hospitals. (News) Lund, A.E. 286
MEDICALLY UNINSURED
A comparison of medical and dental outcomes for Medicaid-insured and uninsured Medicaid-eligible children: a U.S. population-based study. Fisher, M.A. 1403
MEETINGS, 22, 152, 286, 408, 522, 648, 838, 974, 1086, 1224, 1352, 1472
MELANOMA
Primary oral mucosa melanoma: a series of 35 new cases from South America. (JournalScan) Barnett, M.L. 1156
METALS
Nanotechnology changes how metals can influence cell growth. (News) Lund, A.E. 285
Porcelain-fused-to-metal versus zirconia-based ceramic restorations, 2009. Christensen, G.J. 1036
Retention of metal-ceramic crowns with contemporary dental cements. Johnson, G.H. et al. 1125
MILITARY DENTISTRY
An evaluation of replacement rates for posterior resin-based composite and amalgam restorations in U.S. Navy and Marine Corps recruits. Simecek, J.W. et al. 200
MOLAR
Clinical evaluation of two packable posterior composites: a five-year follow-up study. Fagundes, T.C. et al. 447
An evaluation of replacement rates for posterior resin-based composite and amalgam restorations in U.S. Navy and Marine Corps recruits. Simecek, J.W. et al. 200
A patient with severe wear on the posterior teeth and minimal wear on the anterior teeth. Spear, F. 99
Radiographic characteristics of furcation involvements in mandibular molars as prognostic indicators of healing after nonsurgical periodontal therapy. Do Vale, H.F. et al. 434
A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156
MOLECULAR BIOLOGY
Science is the fuel for the engine of technology and clinical practice. Snead, M.L. et al. 17S
MOTOR CORTEX
Neuroplasticity of edentulous patients with implant-supported full dentures. (JournalScan) Barnett, M.L. 86
MOUTH DISEASES
Providing dental care to pregnant patients: a survey of Oregon general dentists. Huebner, C.E. et al. 211
MOUTH MUCOSA
Asymptomatic pebbly lesions. Kutcher, M.J. et al. 185
Three-dimensional oral mucosa-like tissues generated. (News) Lund, A.E. 1084
MOUTH NEOPLASMS
Diagnosis
Objective detection and delineation of oral neoplasia using autofluorescence imaging. (JournalScan) Barnett, M.L. 1157
Oral cancer knowledge, attitudes and practices: a survey of dentists and primary care physicians in Massachusetts. Applebaum, E. et al. 461; (Correction) 522
Epidemiology
Primary oral mucosa melanoma: a series of 35 new cases from South America. (JournalScan) Barnett, M.L. 1156
Genetics
A genetic expression profile associated with oral cancer identifies a group of patients at high risk of poor survival. (JournalScan) Barnett, M.L. 916
Mortality
A genetic expression profile associated with oral cancer identifies a group of patients at high risk of poor survival. (JournalScan) Barnett, M.L. 916
MOVEMENT
The relationship between pain and movement. (Pain Update) Peck, C.C. 1505
MUSCULOSKELETAL SYSTEM
The relationship between pain and movement. (Pain Update) Peck, C.C. 1505
MUTATION
AXIS inhibition protein 2, orofacial clefts and a family history of cancer. Menezes, R. et al. 80

N

NANOTECHNOLOGY
Nanotechnology changes how metals can influence cell growth. (News) Lund, A.E. 285
NATIONAL INSTITUTE OF DENTAL AND CRANIOFACIAL RESEARCH
The evolution of America's scientific advancements in dentistry in the past 150 years. Gutmann, J.L. 8S
Highlights of America's scientific contributions to dentistry: 150 years and still counting. Pihlstrom, B.L. 4S
Science is the fuel for the engine of technology and clinical practice. Snead, M.L. et al. 17S
A view of the future: dentistry and oral health in America. Garcia, I. et al. 44S
NEEDLES
Broken local anesthetic needles: a case series of 16 patients, with recommendations. Pogrel, M.A. 1517
NEEDS ASSESSMENT
Fluoridated toothpaste and the prevention of early childhood caries: a failure to meet the needs of our young. (Guest Editorial) Milgrom, P. et al. 628
Toothpaste and children. (Letter) Vean, A.H. 1076
NEOPLASM INVASIVENESS
Parotid gland squamous cell carcinoma invading the temporomandibular joint. Klasser, G.D. et al. 992
NEOPLASMS
AXIS inhibition protein 2, orofacial clefts and a family history of cancer. Menezes, R. et al. 80
NEOVASCULARIZATION, PATHOLOGICAL
Researchers discover how chemother-

apeutic agents block blood vessel growth. (News) Lund, A.E. 285
NEURONAL PLASTICITY
Chronic pain. (Letter) Spahl, T.J. 1080; (Response) Greene, C.S. 1083
Neuropathic pain. (Letter) Johnson, J.F. 1080; (Response) Greene, C.S. 1083
Neuroplasticity and sensitization. (Pain Update) Greene, C.S. 676
NITROUS OXIDE
Evaluation of two nitrous oxide scavenging systems using infrared thermography to visualize and control emissions. Rademaker, A.M. et al. 190
Using nitrous oxide. (Letter) Houpt, M. 968; (Response) McGlothlin, J.D. 969
NOCICEPTION
Chronic pain. (Letter) Spahl, T.J. 1080; (Response) Greene, C.S. 1083
Neuropathic pain. (Letter) Johnson, J.F. 1080; (Response) Greene, C.S. 1083
Neuroplasticity and sensitization. (Pain Update) Greene, C.S. 676
NUCLEAR FACTOR-κB
New target in fight against osteoporosis, periodontitis discovered. (News) Lund, A.E. 836
NUMB CHIN SYNDROME
The importance of clinical features and computed tomographic findings in numb chin syndrome: a report of two cases. Yoshioka, I. et al. 550
NURSE ANESTHETISTS
Oral assessments. (Letter) Schwartz, A. 514
NUTRITIONAL STATUS
Potential mechanisms underpinning the nutritional modulation of periodontal inflammation. Chapple, I.L.C. 178

O

OBESITY
A healthy weight intervention for children in a dental setting: a pilot study. Tavares, M. et al. 313
Oral bacteria linked to obesity. (News) Lund, A.E. 1084
OCCLUSAL SPLINTS
Insufficient evidence to support the use of stabilization splint therapy over other active interventions in the treatment of temporomandibular myofascial pain. (Critical Summaries) Thurman, M.M. et al. 1524
OCCUPATIONAL EXPOSURE
Evaluation of two nitrous oxide scavenging systems using infrared thermography to visualize and control emissions. Rademaker, A.M. et al. 190
Using nitrous oxide. (Letter) Houpt, M. 968; (Response) McGlothlin, J.D. 969
ODONTOGENIC NEOPLASMS
Odontogenic tumors in childhood: a retrospective study of 86 treated cases-importance of a correct histopathologic diagnosis. (JournalScan) Barnett, M.L. 343
ORAL EPITHELIAL DYSPLASIA
Outcome of oral dysplasia: a retrospective hospital-based study of 207 patients with a long follow-up. (JournalScan) Barnett, M.L. 1414
ORAL HEALTH
An assessment of oral health importance: results of a statewide survey. Carr, A.B. et al. 580
Oral health needs among adults in the United States with chronic disease. Griffin, S.O. et al. 1266
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283
Stem cell research. (Letter) Howard, C. et al. 1079
Stem cell research and oral health. (Editorial) Glick, M. 512
A view of the future: dentistry and oral health in America. Garcia, I. et al. 44S
ORAL HEMORRHAGE
The frequency of bleeding complications after invasive dental treatment in patients receiving single and dual antiplatelet therapy. Napeñas, J.J. et al. 690
ORAL HYGIENE
Poor oral hygiene as a risk factor for infective endocarditis-related bacteremia. Lockhart, P.B. et al. 1238
ORAL SURGICAL PROCEDURES
Evidence of aerosolized floating blood mist during oral surgery. (JournalScan) Barnett, M.L. 918
The frequency of bleeding complications after invasive dental treatment in patients receiving single and dual antiplatelet therapy. Napeñas, J.J. et al. 690
OROPHARYNGEAL NEOPLASMS
Oropharyngeal carcinoma in nonsmokers and non-drinkers: a role for HPV. (JournalScan) Barnett, M.L. 342
ORTHODONTIC ANCHORAGE PROCEDURES
A patient with severe wear on the posterior teeth and minimal wear on the anterior teeth. Spear, F. 99
ORTHODONTICS
Biology of esthetics. (Letter) Dumont, T.D. 146; (Response) Ker, A.J. et al. 148
Inconclusive evidence of the effects of orthodontic therapy on periodontal health. (Critical Summaries) Chung, M. et al. 575
Insufficient evidence to conclude that orthodontic patients derive benefits from using power toothbrushes. (Critical Summaries) Huang, G.J. 914
Instrumentation
Self-ligating orthodontic brackets associated with fewer plaque bacteria. (News) Snider, J. 836
OSTEOMYELITIS
Microbial biofilms in osteomyelitis of the jaw and osteonecrosis of the jaw secondary to bisphosphonate therapy. Sedghizadeh, P.P. et al. 1259
OSTEONECROSIS
Chemically induced
Bisphosphonate and nonbisphosphonate-associated osteonecrosis of the jaw: a review. Almazrooa, S.A. et al. 864
Microbial biofilms in osteomyelitis of the jaw and osteonecrosis of the jaw secondary to bisphosphonate therapy. Sedghizadeh, P.P. et al. 1259
More about bisphosphonates. (Letter) Hodgson, B. 829; (Response) American Dental Association Council on Scientific Affairs 830
Oral bisphosphonate use and the prevalence of osteonecrosis of the jaw: an institutional inquiry. Sedghizadeh, P.P. et al. 61
Oral bisphosphonates. (Letter) Zahrowski, J.J. 517; (Response) Sedghizadeh, P.P. 518
Osteonecrosis of the jaw. (Letter) Kyrgidis, A. et al. 1216; (Response) Almarzooa, S. et al. 1217
Osteoporosis medications and oral health. (For the Dental Patient) American Dental Association Division of Science 812
Update on oral bisphosphonates. (Letter) Yeager, A.L. 828; (Response) American Dental Association Council on Scientific Affairs 828
OSTEOPOROSIS
Postmenopausal
More about bisphosphonates. (Letter) Hodgson, B. 829; (Response) American Dental Association Council on Scientific Affairs 830
Oral bisphosphonate use and the prevalence of osteonecrosis of the jaw: an institutional inquiry. Sedghizadeh, P.P. et al. 61

Oral bisphosphonates. (Letter) Zahrowski, J.J. 517; (Response) Sedghizadeh, P.P. 518
Osteoporosis medications and oral health. (For the Dental Patient) American Dental Association Division of Science 812
Update on oral bisphosphonates. (Letter) Yeager, A.L. 828; (Response) American Dental Association Council on Scientific Affairs 828
Therapy
New target in fight against osteoporosis, periodontitis discovered. (News) Lund, A.E. 836
OUTCOME AND PROCESS ASSESSMENT
The development and testing of a survey instrument for benchmarking dental plan performance: using insured patients' experiences as a gauge of dental care quality. Keller, S. et al. 229
OXIDATIVE STRESS
Potential mechanisms underpinning the nutritional modulation of periodontal inflammation. Chapple, I.L.C. 178

P

PAIN
Chronic pain. (Letter) Spahl, T.J. 1080; (Response) Greene, C.S. 1083
Genetic variations associated with red hair color and fear of dental pain, anxiety regarding dental care and avoidance of dental care. Binkley, C.J. et al. 896
Neuropathic pain. (Letter) Johnson, J.F. 1080; (Response) Greene, C.S. 1083
Neuroplasticity and sensitization. (Pain Update) Greene, C.S. 676
Redheads and fear. (Letter) Berger, A.S. 1219
The relationship between pain and movement. (Pain Update) Peck, C.C. 1505
Virtual reality distraction for pain control during periodontal scaling and root planing procedures. Furman, E. et al. 1508
PAIN MEASUREMENT
A comparison of a refrigerant and a topical anesthetic gel as preinjection anesthetics: a clinical evaluation. Kosaraju, A. et al. 68
The efficacy of a repeated infiltration in prolonging duration of pulpal anesthesia in maxillary lateral incisors. Scott, J. et al. 318
PALATE
Palatal erythema. Hupp, W.S. 555
PALLIATIVE CARE
Is it ethically appropriate for an on-call dentist to provide more than palliative care for my patients while I am away from the office? (Ethical Moment) Wentworth, R.B. 1427
PAPILLOMAVIRUS, HUMAN
HPV-positive patients with head, neck cancer may have better outcomes than HPV-negative patients. (News) Snider, J. 1222
Oropharyngeal carcinoma in nonsmokers and non-drinkers: a role for HPV. (JournalScan) Barnett, M.L. 342
PAPILLOMAVIRUS INFECTIONS
Asymptomatic pebbly lesions. Kutcher, M.J. et al. 185
PARENTS
Extending practice reach. (Letter) Luccy, C.J. 280; (Response) Niederman, R. 281
PARKINSON DISEASE
Parkinson disease: systemic and orofacial manifestation, medical and dental management. Friedlander, A.H. et al. 658
PAROTID GLAND NEOPLASMS
Parotid gland squamous cell carcinoma invading the temporomandibular joint. Klasser, G.D. et al. 992
PATIENT CARE PLANNING
Understanding the practice management component of dental implants. Levin, R.P. 243
PATIENT CARE TEAM
Dentists' role in treating facial injuries sustained in the 2008 earthquake in China: how dental professionals can contribute to emergency response. Wang, L. et al. 543
Developing your staff into a patient education team. Christensen, G.J. 1536
The U.S. approach to dental emergency preparedness and disaster response. American Dental Association Council on Dental Practice 546
PATIENT-CENTERED CARE
A home away from home: the patient-centered health home. (Editorial) Glick, M. 140
Oral assessments. (Letter) Schwartz, A. 514
PATIENT EDUCATION
Developing your staff into a patient education team. Christensen, G.J. 1536
Sjögren syndrome. (Letter) Friedlander, A.H. 279; (Response) Fox, P.C. 279
Understanding the practice management component of dental implants. Levin, R.P. 243
Handouts
Doctors of oral health: what it takes to be a dentist. (For the Dental Patient) American Dental Association Division of Government and Public Affairs 1200
Fluoride: nature's tooth decay fighter. (For the Dental Patient) American Dental Association Division of Science 126
Osteoporosis medications and oral health. (For the Dental Patient) American Dental Association Division of Science 812
Tooth whitening: what you should know. (For the Dental Patient) American Dental Association Division of Science 384
PATIENT SATISFACTION
The development and testing of a survey instrument for benchmarking dental plan performance: using insured patients' experiences as a gauge of dental care quality. Keller, S. et al. 229
PEER REVIEW, RESEARCH
The clinician's guide to the literature: interpreting results. Greenberg, B.L. et al. 48
PEGINTERFERON ALFA
Tongue hyperpigmentation resulting from peginterferon alfa and ribavirin combination therapy: a case report. de Moraes, P.C. et al. 1377
PERI-IMPLANTITIS
Subgingival debridement appears as effective as more complex and expensive therapies for peri-implantitis. (Critical Summaries) McMullan-Vogel, C.G. 340
PERIODICALS
The clinician's guide to the literature: interpreting results. Greenberg, B.L. et al. 48
Evidence-based dentistry finds a new forum: exelauno. (Guest Editorial) Niederman, R. 272
Questions about EBD. (Letter) Chambers, D.W. 632; (Response) Niederman, R. 632
PERIODONTAL DISEASES
Complications
Maternal periodontal disease and risk of preeclampsia: a case-control study. (JournalScan) Barnett, M.L. 1157
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283

Periodontal disease and other diseases. (Letter) Pallasch, T.J. 16; (Response) Lamster, I.B. 17
Study finds possible link between periodontal disease and rheumatoid arthritis. (News) Snider, J. 972
Diagnosis
The biology, prevention, diagnosis and treatment of periodontal diseases: scientific advances in the United States. Armitage, G.C. et al. 36S
Etiology
Inconclusive evidence of the effects of orthodontic therapy on periodontal health. (Critical Summaries) Chung, M. et al. 575
Periodontal disease is associated with gestational diabetes mellitus: a case-control study. (JournalScan) Barnett, M.L. 1413
Potential mechanisms underpinning the nutritional modulation of periodontal inflammation. Chapple, I.L.C. 178
Prevention
The biology, prevention, diagnosis and treatment of periodontal diseases: scientific advances in the United States. Armitage, G.C. et al. 36S
Gene therapy stops periodontal disease development. (News) Snider, J. 150
Green tea may promote periodontal health. (News) Snider, J. 838
Parameters affecting tooth loss during periodontal maintenance in a Greek population. Tsami, A. et al. 1100
"Periodontal maintenance." (Letter) Wentworth, R.B. 145; (Response) Levin, R.P. 146
Therapy
The biology, prevention, diagnosis and treatment of periodontal diseases: scientific advances in the United States. Armitage, G.C. et al. 36S
Study finds possible link between periodontal disease and rheumatoid arthritis. (News) Snider, J. 972
Virtual reality distraction for pain control during periodontal scaling and root planing procedures. Furman, E. et al. 1508
PERIODONTITIS
Blood
Distribution of selected cariogenic bacteria in five different intra-oral habitats in young children. (JournalScan) Barnett, M.L. 577
Persistently raised C-reactive protein levels are associated with advanced periodontal disease. (JournalScan) Barnett, M.L. 86
Etiology
Sjögren syndrome. (Letter) Friedlander, A.H. 279; (Response) Fox, P.C. 279
Microbiology
The biofilm community. (Letter) Shuch, D.J. 1467; (Response) Costerton, J.W. et al. 1467
Periodontitis: an archetypical biofilm disease. Schaudinn, C. et al. 978
A symbiotic relationship. (Letter) DiBenedetto, D. 1467; (Response) Costerton, J.W. et al. 1467
Therapy
History of treated periodontitis may signal a greater likelihood of implant problems. (Critical Summaries) Pinto, A. et al. 468; (Correction) 974
New target in fight against osteoporosis, periodontitis discovered. (News) Lund, A.E. 836
Oral health, heart health. (Letter) Maloney, W.J. 1218
Periodontal therapy reduces the severity of active rheumatoid arthritis in patients treated with or without tumor necrosis factor inhibitors. (JournalScan) Barnett, M.L. 916
Periodontitis and implants. (Letter) Gillette, W. 966; (Response) Bader, J.D. 966
Radiographic characteristics of furcation involvements in mandibular molars as prognostic indicators of healing after nonsurgical periodontal therapy. Do Vale, H.F. et al. 434
The relationship between self-reported history of endodontic therapy and coronary heart disease in the Atherosclerosis Risk in Communities Study. Caplan, D.J. et al. 1004
Virology
Study finds link between oral inflammatory diseases and Epstein-Barr virus. (News) Snider, J. 150
PERSONAL AUTONOMY
Respect for patients' autonomy. Reid, K.I. 470
What are specialists' ethical obligations when treating patients who refer themselves? (Ethical Moment) Wentworth, R.B. 364
PERSONAL SATISFACTION
Achieving maximum success and maximum happiness. Levin, R.P. 361
Advice questioned. (Letter) Thompson, R.K. 830; (Response) Levin, R.P. 832
PIT-AND-FISSURE SEALANTS
Caries risk in formerly sealed teeth. Griffin, S.O. et al. 415
A comparison of the effects of toothbrushing and handpiece prophylaxis on retention of sealants. Gray, S.K. et al. 38
The depth of cure of clear versus opaque sealants as influenced by curing regimens. Yue, C. et al. 331
Preventing dental caries through school-based sealant programs: updated recommendations and reviews of evidence. Gooch, B.F. et al. 1356
Retention of sealants. (Letter) Smith, W.P. Jr. 516; (Response) Gray, S.K. et al. 517
Sealants revisited. (Letter) Beaumont, R.H. 969; (Response) Griffin, S.O. et al. 970
PLATELET AGGREGATION INHIBITORS
The frequency of bleeding complications after invasive dental treatment in patients receiving single and dual antiplatelet therapy. Napeñas, J.J. et al. 690
POLYCYSTIC KIDNEY DISEASES
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56
PRACTICE GUIDELINES
Clinical guidelines: to follow or folly? You decide. (Editorial) Glick, M. 824
Tuberculosis epidemiology, diagnosis and infection control recommendations for dental settings: an update on the Centers for Disease Control and Prevention guidelines. Cleveland, J.L. et al. 1092
PRACTICE MANAGEMENT
Patient records. (Letter) Cockerell, T. Jr. 402; (Response) Thyvalikakath, T.P. et al. 403
Economics
The phenomenon of the "cash-poor" practice. Levin, R.P. 105
A strategic approach to overhead control. Levin, R.P. 1167
Strategies for a more successful 2009. Levin, R.P. 1040
Ethics
Respect for patients' autonomy. Reid, K.I. 470
What are the ethical issues I should consider when contemplating exclusive territory agreements? (Ethical Moment) Nisselson, H.S. 245
Organization and administration
Achieving maximum success and max-

imum happiness. Levin, R.P. 361
Advice questioned. (Letter) Thompson, R.K. 830; (Response) Levin, R.P. 832
The benefit of delegation. Levin, R.P. 1541
Exploring leadership and team communication within the organizational environment of a dental practice. Chilcutt, A.S. 1252
Making the most of hygiene appointments. Levin, R.P. 1305
The 98 percent factor. Levin, R.P. 1425
Production per chair: the key to achieving greater efficiency. Levin, R.P. 927
Systems are the practice's best defense. Levin, R.P. 714
The 12 key performance indicators for your practice. Levin, R.P. 595
Understanding the practice management component of dental implants. Levin, R.P. 243
Workforce
Differences in characteristics of California dentists who employ dental hygienists and those who do not. Pourat, N. 1027
PREECLAMPSIA
Maternal periodontal disease and risk of preeclampsia: a case-control study. (JournalScan) Barnett, M.L. 1157
PREFERRED PROVIDER ORGANIZATIONS
The effects of insurance carrier market power on dentists and patients. Brown, L.J. et al. 90
Message from Delta Dental. (Letter) Volk, K.E. 634; (Response) Brown, L.J. et al. 636
PREGNANCY
Maternal periodontal disease and risk of preeclampsia: a case-control study. (JournalScan) Barnett, M.L. 1157
Providing dental care to pregnant patients: a survey of Oregon general dentists. Huebner, C.E. et al. 211
PRENATAL CARE
Providing dental care to pregnant patients: a survey of Oregon general dentists. Huebner, C.E. et al. 211
PRIMARY PREVENTION
Assessing patterns of restorative and preventive care among children enrolled in Medicaid, by type of dental care provider. Taichman, L.S. et al. 886
PROFESSIONAL AUTONOMY
Cottages no more. (Guest Editorial) Orr, D.L. II 960
Regulating dental practice. (Letter) Starkey, M.A. 1465; (Response) Orr, D.L. II 1466
Self-governance and public safety (Letter) Crowley, K.E. 1465; (Response) Orr, D.L. II 1466
PUBLISHING
Reporting clinical trial results. (Guest Editorial) Pihlstrom, B.L. 12
PULPITIS
Study finds link between oral inflammatory diseases and Epstein-Barr virus. (News) Snider, J. 150
PULP TESTING
The validity of pulp testing: a clinical study. Weisleder, R. et al. 1013

Q

QUALITY ASSURANCE
Challenges in quality assessment of dental care. (Essay) Bader, J.D. 1456
QUALITY OF LIFE
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283

R

RADIATION
Bisphosphonate and nonbisphosphonate-associated osteonecrosis of the jaw: a review. Almazrooa, S.A. et al. 864
RADIOGRAPHY
Radiographic characteristics of furcation involvements in mandibular molars as prognostic indicators of healing after nonsurgical periodontal therapy. Do Vale, H.F. et al. 434
Digital
In vivo study of pixel grey-measurement in digital subtraction radiography for monitoring caries remineralization. (JournalScan) Barnett, M.L. 579
Panoramic
The importance of clinical features and computed tomographic findings in numb chin syndrome: a report of two cases. Yoshioka, I. et al. 550
Reliability of panoramic radiography for carotid atheroma detection: a study in patients who fulfill the criteria for carotid endarterectomy. (JournalScan) Barnett, M.L. 87
RADIOTHERAPY
Bisphosphonate and nonbisphosphonate-associated osteonecrosis of the jaw: a review. Almazrooa, S.A. et al. 864
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
Osteonecrosis of the jaw. (Letter) Kyrgidis, A. et al. 1216; (Response) Almarzooa, S. et al. 1217
RANDOMIZED CONTROLLED TRIALS
Reporting clinical trial results. (Guest Editorial) Pihlstrom, B.L. 12
RECEPTORS, TUMOR NECROSIS FACTOR
Gene therapy stops periodontal disease development. (News) Snider, J. 150
REFERRAL AND CONSULTATION
Can I ethically provide my neighbor with an informal second opinion? (Ethical Moment) Foy, P.J. 598
How can I ethically handle referrals to a specialist against whom there are allegations of unethical behavior? (Ethical Moment) Fisch, J. 1042
I am caught between two specialists with conflicting opinions. How can I ethically assist my patient in deciding which option is best? (Ethical Moment) Foy, P.J. 929
Is it ever ethically appropriate to use the phrase "specializes in" when referring to a general practitioner? (Ethical Moment) Foy, P.J. 1308
A minor's request. (Letter) Chay-Torres, J.F. 1216
Not a court of law. (Letter) Dello Russo, N.M. 1344; (Response) Fisch, J. 1347
Understanding the code. (Letter) Davis, M.W. 1344; (Response) Fisch, J. 1347
What are specialists' ethical obligations when treating patients who refer themselves? (Ethical Moment) Wentworth, R.B. 364
REFUSAL TO TREAT
Ethical moment. (Letter) Ripley, R. 1214; (Response) Wentworth, R.B. 1216
Overanxious patients. (Letter) Fioritto, H.J. 400; (Response) Gamba, T.W. 400
What ethical guidance is there for dismissing a patient from a practice? (Ethical Moment) Wentworth, R.B. 717
REIMBURSEMENT MECHANISMS
The effects of insurance carrier market power on dentists and patients. Brown, L.J. et al. 90
Insurers and market power. (Letter) Folan, M.H. 832; (Response) American Dental Association Council on Dental Benefit Programs 835
Message from Delta Dental. (Letter) Volk, K.E. 634; (Response) Brown,

L.J. et al. 636
RENAL DIALYSIS
Oral health-related quality of life and periodontal health status in patients undergoing hemodialysis. Guzeldemir, E. et al. 1283
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56
RESEARCH
ADAF Paffenbarger Research Center: where many new ideas for dentistry start. Mark, A. 10S
The biology, prevention, diagnosis and treatment of dental caries: scientific advances in the United States. Zero, D.T. et al. 25S
The biology, prevention, diagnosis and treatment of periodontal diseases: scientific advances in the United States. Armitage, G.C. et al. 36S
The clinician's guide to the literature: interpreting results. Greenberg, B.L. et al. 48
The evolution of America's scientific advancements in dentistry in the past 150 years. Gutmann, J.L. 8S
Highlights of America's scientific contribution to dentistry: 150 years and still counting. Pihlstrom, B.L. 4S
Science is the fuel for the engine of technology and clinical practice. Snead, M.L. et al. 17S
Stem cell research. (Letter) Howard, C. et al. 1079
Stem cell research and oral health. (Editorial) Glick, M. 512
"The verb of life is to try": Dr. Harold Slavkin receives 2009 ADA Gold Medal Award for Excellence in Dental Research. Garvin, J. 1297; (Correction) 1472
A view of the future: dentistry and oral health in America. Garcia, I. et al. 44S
RESEARCH DESIGN
Reporting clinical trial results. (Guest Editorial) Pihlstrom, B.L. 12
RESIN-BASED COMPOSITES
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
The depth of cure of clear versus opaque sealants as influenced by curing regimens. Yue, C. et al. 331
An evaluation of replacement rates for posterior resin-based composite and amalgam restorations in U.S. Navy and Marine Corps recruits. Simecek, J.W. et al. 200
A long-term evaluation of alternative treatments to replacement of resin-based composite restorations: results of a seven-year study. Gordan, V.V. et al. 1476
A moderately favorable five-year success rate for resin-bonded bridges. (Critical Summaries) Hill, H.K. et al. 706
A randomized trial of resin-based restorations in Class I and Class II beveled preparations in primary molars: 24-month results. dos Santos, M.P.A. et al. 156
A 12-year clinical evaluation of a three-step dentin adhesive in non-carious cervical lesions. Wilder, A.D. Jr. et al. 526
Chemistry
Clinical evaluation of two packable posterior composites: a five-year follow-up study. Fagundes, T.C. et al. 447
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives. Ritter, A.V. et al. 28
RESPIRATION, ARTIFICIAL
Genetic relationships between respiratory pathogens isolated from dental plaque and bronchoalveolar lavage fluid from patients in the intensive care unit undergoing mechanical ventilation. (JournalScan) Barnett, M.L. 344
RETROGNATHISM
A second opinion. (Letter) Lockerman, L.Z. 144; (Response) Spear, F. 144
RIBAVIRIN
Tongue hyperpigmentation resulting from peginterferon alfa and ribavirin combination therapy: a case report. de Moraes, P.C. et al. 1377
RISK ASSESSMENT
Assessing caries increments in elderly patients with and without dementia: a one-year follow-up study. Ellefsen, B. et al. 1392
Oral health care professionals' identification of cardiovascular disease risk among patients in private dental offices in Sweden. Jontell, M. et al. 1385
ROOT CANAL FILLING MATERIALS
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
Dissolution of root canal sealers in EDTA and NaOCl solutions. Keleş, A. et al. 74
Removing root canal obturation materials: a comparison of rotary file systems and re-treatment agents. Ring, J. et al. 680
ROOT CANAL IRRIGANTS
Dissolution of root canal sealers in EDTA and NaOCl solutions. Keleş, A. et al. 74
ROOT CANAL OBTURATION
Can radiotherapy affect the apical sealing ability of resin-based root canal sealers? Bodrumlu, E. et al. 326
Removing root canal obturation materials: a comparison of rotary file systems and re-treatment agents. Ring, J. et al. 680
ROOT CANAL PREPARATION
Dissolution of root canal sealers in EDTA and NaOCl solutions. Keleş, A. et al. 74
Removing root canal obturation materials: a comparison of rotary file systems and re-treatment agents. Ring, J. et al. 680
ROOT PLANING AND SCALING
Radiographic characteristics of furcation involvements in mandibular molars as prognostic indicators of healing after nonsurgical periodontal therapy. Do Vale, H.F. et al. 434
Virtual reality distraction for pain control during periodontal scaling and root planing procedures. Furman, E. et al. 1508
Weak evidence suggests scaling and root planing may help people with diabetes improve glycemic control. (Critical Summaries) Matthews, J. et al. 1144

S

SALIVA
Cancer, stomach ulcer bacteria may cause halitosis. (News) Lund, A.E. 20
Detection of cytotoxin genotypes of *Helicobacter pylori* in stomach, saliva and dental plaque. (JournalScan) Barnett, M.L. 1158
The effect of salivary factors on dental erosion in various age groups and tooth surfaces. Piangprach, T. et al. 1137
The effects of saliva on the erosive potential of three different wines. (JournalScan) Barnett, M.L. 1415
First global survey of salivary microbes performed. (News) Lund, A.E. 522
Multiple components contribute to ability of saliva to inhibit influenza virus. (JournalScan) Barnett, M.L. 342
Women have more caries than men.

(News) Lund, A.E. 21
SALIVARY GLAND DISEASES
Right submandibular mass. Afzali, P. et al. 1381
SALIVATION
The effect of salivary factors on dental erosion in various age groups and tooth surfaces. Piangprach, T. et al. 1137
SCHOOL DENTISTRY
Preventing dental caries through school-based sealant programs: updated recommendations and reviews of evidence. Gooch, B.F. et al. 1356
SCHOOLS, DENTAL
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
Dr. Michael Glick named dean of UB dental school. (News) Fox, K. 1350
SCUBA DIVING
Dental restoration dislodgement and fracture during scuba diving: a case of barotrauma. Peker, I. et al. 1118
SELF-INJURIOUS BEHAVIOR
Asymptomatic pebbly lesions. Kutcher, M.J. et al. 185
SEX CHARACTERISTICS
Women have more caries than men. (News) Lund, A.E. 21
SJÖGREN SYNDROME
Automated test may better detect antibodies in patients with Sjögren syndrome. (News) Snider, J. 1220
Rapid automated test detects antibodies in patients with Sjögren syndrome. (News) Snider, J. 1470
Sjögren syndrome. (Letter) Friedlander, A.H. 279; (Response) Fox, P.C. 279
SKIN PIGMENTATION
Assessing the influence of skin color and tooth shade value on perceived smile attractiveness. Sabherwal, R.S. et al. 696
SLEEP APNEA
Down syndrome and sleep-disordered breathing: the dentist's role. Waldman, H.B. et al. 307
Obstructive sleep apnea. (Letter) Keller, S. 515; (Response) Friedlander, A.H. 515
The potentially harmful medical consequences of untreated sleep-disordered breathing: the evidence supporting brain damage. Simmons, M.S. et al. 536
A second opinion. (Letter) Lockerman, L.Z. 144; (Response) Spear, F. 144
Worn teeth. (Letter) Schlott, W. 401; (Response) Spear, F. 401
SMILING
Assessing the influence of skin color and tooth shade value on perceived smile attractiveness. Sabherwal, R.S. et al. 696
Full-face images. (Letter) Greenberg, J.R. 147; (Response) Ker, A.J. et al. 148
Rating smiles. (Letter) Chiaravalli, P. 147; (Response) Ker, A.J. et al. 148
SMOKING
Adverse effects
The influence of tobacco smoking on the outcomes achieved by root-coverage procedures: a systematic review. Chambrone, L. et al. 294
Cessation
Quitting tobacco use. (Letter) Zablotsky, N. 145
SODIUM HYPOCHLORITE
Dissolution of root canal sealers in EDTA and NaOCl solutions. Keleş, A. et al. 74
SOFT DRINKS
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
SOLVENTS
Dissolution of root canal sealers in EDTA and NaOCl solutions. Keleş, A. et al. 74
Removing root canal obturation materials: a comparison of rotary file systems and re-treatment agents. Ring, J. et al. 680
SOMATOSENSORY CORTEX
Neuroplasticity of edentulous patients with implant-supported full dentures. (JournalScan) Barnett, M.L. 86
SPECIALTIES, DENTAL
What are specialists' ethical obligations when treating patients who refer themselves? (Ethical Moment) Wentworth, R.B. 364
STATISTICS
The clinician's guide to the literature: interpreting results. Greenberg, B.L. et al. 48
STEM CELLS
Evaluation of pluripotency in human dental pulp cells. (JournalScan) Barnett, M.L. 578
Stem cell research. (Letter) Howard, C. et al. 1079
Stem cell research and oral health. (Editorial) Glick, M. 512
Three-dimensional oral mucosa-like tissues generated. (News) Lund, A.E. 1084
STUDENTS, DENTAL
The Dental Pipeline program's impact on access disparities and student diversity. Formicola, A. et al. 346
SYSTEMS ANALYSIS
Systems are the practice's best defense. Levin, R.P. 714

T

TEA, GREEN
Green tea may promote periodontal health. (News) Snider, J. 838
TEMPOROMANDIBULAR JOINT DISORDERS
Etiology
Parotid gland squamous cell carcinoma invading the temporomandibular joint. Klasser, G.D. et al. 992
Therapy
Insufficient evidence to support the use of stabilization splint therapy over other active interventions in the treatment of temporomandibular myofascial pain. (Critical Summaries) Thurman, M.M. et al. 1524
TETRACYCLINE
Clinical considerations in managing severe tooth discoloration with porcelain veneers. Chu, F.C.S. 442
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56
THERMOGRAPHY
Evaluation of two nitrous oxide scavenging systems using infrared thermography to visualize and control emissions. Rademaker, A.M. et al. 190
Using nitrous oxide. (Letter) Houpt, M. 968; (Response) McGlothlin, J.D. 969
TISSUE ENGINEERING
Fully functional bioengineered tooth replacement as an organ replacement therapy. (JournalScan) Barnett, M.L. 1415
Three-dimensional oral mucosa-like tissues generated. (News) Lund, A.E. 1084
TOBACCO USE *see* SMOKING
TOBACCO SMOKE POLLUTION
Secondhand smoke exposure may increase dementia risk. (News) Snider, J. 408
TOMOGRAPHY, COMPUTED
The importance of clinical features and computed tomographic findings in numb chin syndrome: a report of two cases. Yoshioka, I. et al. 550

TONGUE
Improved denture retention in patients with retracted tongues. Lee, J.-H. et al. 987
Palatal erythema. Hupp, W.S. 555
Tongue hyperpigmentation resulting from peginterferon alfa and ribavirin combination therapy: a case report. de Moraes, P.C. et al. 1377
TOOTH
Abfraction
The effects of occlusal loading on the margins of cervical restorations. Francisconi, L.F. et al. 1275
Anatomy
Assessing the influence of skin color and tooth shade value on perceived smile attractiveness. Sabherwal, R.S. et al. 696
Attrition
A patient with severe wear on the posterior teeth and minimal wear on the anterior teeth. Spear, F. 99
Worn teeth. (Letter) Schlott, W. 401; (Response) Spear, F. 401
Avulsion
Inspired. (Letter) Lord. E. 143
Development
Common gene regulatory circuit controls dentition development. (News) Snider, J. 407
Discoloration
Clinical considerations in managing severe tooth discoloration with porcelain veneers. Chu, F.C.S. 442
Rating smiles. (Letter) Chiaravalli, P. 147; (Response) Ker, A.J. et al. 148
Erosion
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
The effect of salivary factors on dental erosion in various age groups and tooth surfaces. Piangprach, T. et al. 1137
The effects of saliva on the erosive potential of three different wines. (JournalScan) Barnett, M.L. 1415
Evidence linking gastroesophageal reflux disease and dental erosion is not strong. (Critical Summaries) Fan-Hsu, J. 1401
In vitro enamel erosion associated with commercially available original-flavor and sour versions of candies. Wagoner, S.N. et al. 906
A patient with severe wear on the posterior teeth and minimal wear on the anterior teeth. Spear, F. 99
A second opinion. (Letter) Lockerman, L.Z. 144; (Response) Spear, F. 144
Worn teeth. (Letter) Schlott, W. 401; (Response) Spear, F. 401
Fractures
A patient with a central incisor fractured apically in relation to the gingival margin. Spear, F. 355
Impacted
Diagnosis and management of impacted maxillary canines: a review. Bedoya, M.M. et al. 1485
Loss
Parameters affecting tooth loss during periodontal maintenance in a Greek population. Tsami, A. et al. 1100
Movement
A patient with severe wear on the posterior teeth and minimal wear on the anterior teeth. Spear, F. 99
TOOTHACHE
Clinical characteristics and diagnosis of atypical odontalgia: implications for dentists. Ram, S. et al. 223
TOOTH BLEACHING
Assessing the effect of a desensitizing agent used before in-office tooth bleaching. Tay, L.Y. et al. 1245
A double-blind randomized controlled clinical trial of 10 percent versus 16 percent carbamide peroxide tooth-bleaching agents: one-year follow-up. Meireles, S.S. et al. 1109
Tooth whitening: what you should know. (For the Dental Patient) American Dental Association Division of Science 384
TOOTHBRUSHING
A comparison of the effects of toothbrushing and handpiece prophylaxis on retention of sealants. Gray, S.K. et al. 38
Insufficient evidence to conclude that orthodontic patients derive benefits from using power toothbrushes. (Critical Summaries) Huang, G.J. 914
Poor oral hygiene as a risk factor for infective endocarditis-related bacteremia. Lockhart, P.B. et al. 1238
Retention of sealants. (Letter) Smith, W.P. Jr. 516; (Response) Gray, S.K. et al. 517
TOOTH CERVIX
A 12-year clinical evaluation of a three-step dentin adhesive in non-carious cervical lesions. Wilder, A.D. Jr. et al. 526
TOOTH DISEASES
A 12-year clinical evaluation of a three-step dentin adhesive in non-carious cervical lesions. Wilder, A.D. Jr. et al. 526
TOOTH EXTRACTION
Adverse effects
Poor oral hygiene as a risk factor for infective endocarditis-related bacteremia. Lockhart, P.B. et al. 1238
Tetracycline. (Letter) Zallen, R.D. 276; (Response) Miller, C.S. et al. 276
Tetracycline-induced renal failure after dental treatment. Miller, C.S. et al. 56
TOOTH REMINERALIZATION
The effect of casein phosphopeptide-amorphous calcium phosphate and a cola soft drink on in vitro enamel hardness. Panich, M. et al. 455
In vivo study of pixel grey-measurement in digital subtraction radiography for monitoring caries remineralization. (JournalScan) Barnett, M.L. 579
TOOTH ROOT
A patient with a central incisor fractured apically in relation to the gingival margin. Spear, F. 355
TORTURE
The terrors of torture. (Letter) Dello Russo, N.M. 399; (Response) Speers, R.D. 399
TRIAZOLAM
Flumazenil reversal of sublingual triazolam: a randomized controlled trial. Hosaka, K. et al. 559
TRIGEMINAL NEURALGIA
Clinical characteristics and diagnosis of atypical odontalgia: implications for dentists. Ram, S. et al. 223
TUBERCULOSIS
Tuberculosis epidemiology, diagnosis and infection control recommendations for dental settings: an update on the Centers for Disease Control and Prevention guidelines. Cleveland, J.L. et al. 1092
TUMOR NECROSIS FACTOR
Periodontal therapy reduces the severity of active rheumatoid arthritis in patients treated with or without tumor necrosis factor inhibitors. (JournalScan) Barnett, M.L. 916

U

UNITED STATES
ADAF Paffenbarger Research Center: where many new ideas for dentistry start. Mark, A. 10S
The biology, prevention, diagnosis and treatment of dental caries: scientific advances in the United

States. Zero, D.T. et al. 25S
The biology, prevention, diagnosis and treatment of periodontal diseases: scientific advances in the United States. Armitage, G.C. et al. 36S
The evolution of America's scientific advancements in dentistry in the past 150 years. Gutmann, J.L. 8S
Highlights of America's scientific contribution to dentistry: 150 years and still counting. Pihlstrom, B.L. 4S
The U.S. approach to dental emergency preparedness and disaster response. American Dental Association Council on Dental Practice 546
A view of the future: dentistry and oral health in America. Garcia, I. et al. 44S

V

VARIATION, GENETIC
Genetic variations associated with red hair color and fear of dental pain, anxiety regarding dental care and avoidance of dental care. Binkley, C.J. et al. 896
Redheads and fear. (Letter) Berger, A.S. 1219
VERTEBRATES
Common gene regulatory circuit controls dentition development. (News) Snider, J. 407
VIRTUAL REALITY
Virtual reality distraction for pain control during periodontal scaling and root planing procedures. Furman, E. et al. 1508

W

WATER SUPPLY
Fluoride: nature's tooth decay fighter. (For the Dental Patient) American Dental Association Division of Science 126
WHISTLEBLOWING
What should I do about dental assistants who are performing prophylaxes? (Ethical Moment) Gamba, T.W. 107
WINE
The effects of saliva on the erosive potential of three different wines. (JournalScan) Barnett, M.L. 1415

X

XEROSTOMIA
Acupuncture may relieve xerostomia symptoms in patients with head, neck cancer. (News) Snider, J. 646
Sjögren syndrome. (Letter) Friedlander, A.H. 279; (Response) Fox, P.C. 279
XYLITOL
Xylitol-containing oral syrup may prevent caries in children. (News) Snider, J. 972

Z

ZIRCONIA
Porcelain-fused-to-metal versus zirconia-based ceramic restorations, 2009. Christensen, G.J. 1036